

PHASE I ENVIRONMENTAL SITE ASSESSMENT

OF

1815 – 1883 E. LAKETON AVENUE MUSKEGON, MICHIGAN

**OCTOBER 17, 2011** 

**Prepared For:** 

FLEET ENGINEERS, INC. 1800 E. KEATING AVENUE MUSKEGON, MICHIGAN 49441

FUNDED BY:
THE CITY OF MUSKEGON
U.S. EPA BROWNFIELD ASSESSMENT GRANT

Prepared by:

**ENVIROLOGIC TECHNOLOGIES, INC.** 

2960 Interstate Parkway Kalamazoo, Michigan 49048 (269) 342-1100

Checklist for Phase I Site Assessments Conducted using EPA Brownfields Assessment Grant Funds		
de en el en	Contact Information	
Grantee Name: City of M	luskegon	
Grant Number: BF-00E9	3301-0	
ACRES Property ID:		
Program Manager Name: (Point of Contact)	Cathy Brubaker-Clarke	
	231-724-6702	
Name / Address of Propert	y Assessed:   1815-1883 E. Laketon	, Muskegon, Michigan
	<u>Checklist</u>	
	the following All Appropriate Inquirent conducted at the above listed prop	ies documentation requirements were perty:
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ASTM E1527-05), it regarding the significant unattainable informations indicative applicable, pollutant	"significant" data gaps (as defined if any, in the information collected for cance of these data gaps. Significant tion that affects the ability of the envelopment of releases or threatened releases of and contaminants, petroleum or pet, or to the subject property.	data gaps including missing and vironmental professional to identify hazardous substances, and as
professional must placed of the professional must placed of the professional must placed on th	signature of the environmental profe ace the following statements in the do t, to the best of [my, our] professional know rofessional as defined in §312.10 of this par	ocument and sign the document:  Pledge and belief, [I, we] meet the definition
the nature, history, o	and setting of the subject property. [I, We] hes in conformance with the standards and pr	
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Signature of G	rantee Program Manager	

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# PHASE I ENVIRONMENTAL SITE ASSESSMENT OF 1815 – 1883 E. LAKETON AVENUE MUSKEGON, MICHIGAN

# **EXECUTIVE SUMMARY**

Envirologic Technologies, Inc. (Envirologic) performed a Phase I Environmental Site Assessment (ESA) of a property located at 1815 – 1883 E. Laketon Avenue in Muskegon, Michigan (subject property). The Phase I ESA has been performed in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Phase I ESAs (Standard E1527-05) and in conformance with the federal rule for All Appropriate Inquiry (AAI). Non-CERCLA issues that are not typically part of the ASTM standard scope of investigation (i.e., asbestos, lead paint, radon, mold, vapor intrusion, wetlands, universal wastes) were not addressed as part of this Phase I ESA. The Phase I ESA was conducted to support the intended purchase of the property. This report was prepared for the exclusive use of Fleet Engineers, Inc. who may rely on the report contents.

# **Onsite Concerns**

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of 1815 – 1883 E. Laketon Avenue in Muskegon, Michigan, "the property.". Any exceptions to, or deletions from, this practice are described in *Limitations* section of this report. This assessment has revealed no evidence of Recognized Environmental Conditions (RECs) in connection with the property.

No further assessment of the subject property is warranted at this time

# **Offsite Concerns**

The potential for offsite activities to adversely impact the subject property has been evaluated. No indications of the potential for current or historic impact from offsite sources were identified through the course of this Phase I ESA.

# PHASE I ENVIRONMENTAL SITE ASSESSMENT OF 1815 – 1993 E. LAKETON MUSKEGON, MICHIGAN

# **INTRODUCTION**

Envirologic Technologies, Inc. (Envirologic) has conducted a Phase I Environmental Site Assessment of a property located at 1815 – 1883 E. Laketon Avenue in Muskegon, Michigan (subject property). The Phase I ESA has been performed in accordance with the ASTM Standard Practice for Phase I ESAs (Standard E1527-05) and in conformance with the federal rule for All Appropriate Inquiry. Non-CERCLA issues that are not typically part of the ASTM standard scope of investigation (i.e., asbestos, lead paint, radon, mold, vapor intrusion, wetlands, universal wastes) were not addressed as part of this Phase I ESA. This Phase I ESA was conducted to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products (Recognized Environmental Conditions) and potential environmental liabilities associated with the property, and to meet the standards of AAI.

The Phase I ESA was comprised in significant part of a records review and a visual site inspection. The information gathered during the Phase I ESA was limited to that which could be reasonably ascertained from administrative sources and to visual observations made during the site inspection. Therefore, the ESA interpretations made herein are in the context of the data limitations. While Phase I ESA data is informative in nature, it is necessarily limited.

# **Purpose**

The purpose of this assessment was also to meet the requirements of All Appropriate Inquiry in order to pursue liability protection. The Phase I ESA was conducted to support the intended purchase of the property. This report was prepared for the exclusive use of Fleet Engineers, Inc. who may rely on the report contents and Envirologic Technologies, Inc. recognizes Fleet Engineer's (the user) reliance upon the contents of the Phase I ESA as part of the process of evaluating the environmental risks associated with the subject property.

# **Site Location**

The subject property is located at 1815 – 1883 E. Laketon Avenue in Muskegon, Michigan (subject property). Specifically, the site is located within the Section 34, Township 10N, Range 16W in Muskegon, Muskegon County, Michigan (refer to Figure 1 in Appendix A). The subject property

consists of two parcels of land with the following tax identification numbers and legal descriptions:

24-134-100-0003-00 (1815 E. Laketon): CITY OF MUSKEGON SEC 34 T10N R16W W 290 FT OF S 643 FT OF N 726 FT E 1/2 OF NW 1/4

24-134-100-0004-10 (1883 E. Laketon): CITY OF MUSKEGON SEC 34 T10N R16W W 167 FT OF E 370 FT OF S 660 FT OF N 726 FT OF W 660 FT OF E 1/2 OF NW 1/4

# **Site Description**

The parcel at 1815 E. Laketon is a vacant woodlot. The parcel at 1883 E. Laketon is occupied by a 47,700-square-foot industrial building. A more complete description of the project site is provided in the *Site Observations* section of this report. Color photographs of the property are included as Appendix B.

# **Physical Setting**

According to the United States Geological Survey, the subject property is at an elevation of approximately 640 feet above mean sea level. The land surrounding the property is generally level. The nearest surface water body is Black Creek, located approximately one-half mile south of the property, and flows to the west.

The Muskegon County Soil Survey identifies soil underlying the property to be Rubicon sand. This soil is characterized as well drained, deep, sandy soil on nearly level, dry outwash plains. Based on a review of hydrogeological studies at nearby properties, the depth to groundwater is estimated to be five feet below the ground surface. Regional groundwater flow direction is expected to be to the west based on the interaction with Lake Michigan and Muskegon Lake; shallow groundwater has been demonstrated at sites in the vicinity to flow in a southwest direction.

# ASSESSMENT OF PROJECT SITE

# Methodology

The Phase I ESA has been performed in accordance with the ASTM Standard Practice for Phase I ESAs (Standard E1527-05). Additional non-CERCLA issues that are not typically part of ASTM standard scope of investigation (i.e., asbestos, radon, wetlands, mold, vapor intrusion, lead-based paint, universal wastes) were not addressed as part of this Phase I ESA.

# **Data Sources**

The following sources of information were utilized to assist in the environmental assessment of the subject property:

- Muskegon East, Michigan USGS 7.5 Minute Topographic Quadrangle, 1969, photorevised
   1972
- USDA Soil Conservation Service Soil Survey of Muskegon County, Michigan, 1968
- MDEQ Website for Environmental Liens
- User's/Seller's Questionnaire
- Environmental Radius Report for the subject property, generated by Environmental Data Resources, Inc.
- Aerial photographs dated 1967/68, 1981, 1995, 2001 and 2008 obtained from the Muskegon County Equalization Department
- Aerial photographs dated 1938, 1950, 1955, 1962, 1968, 1974, 1981, 1991, 1997, 2005, and 2006 from various sources – primarily Soil Conservation Service.
- City of Muskegon Directories dating from 1875 to 2011 available from the Hackley Public Library
- Review of publicly available information obtained from the following Muskegon City and County offices:
  - Building Department
  - Assessing/Zoning
  - Health Department
  - Public Works

Site-specific information obtained from personal and telephone interviews with the following people:

- current property owner
- Mr. Brad Morton, property manager

# Site Inspection

Mr. David Stegink, Senior Environmental Scientist of Envirologic conducted a site inspection of the property on October 7, 2011. We were available on site for the duration of the inspection to answer questions regarding the property. All areas of the property were accessible. Weather conditions consisted of sunny skies with temperatures in the 70s °F.

# Data Gaps and Data Failures

A data gap is the inability to obtain information within the scope of the Phase I ESA. There were no data gaps encountered during the completion of this Phase I ESA.

A data failure is the absence of information typically used to complete a Phase I ESA. The following data failure was encountered for the Phase I ESA: There is no coverage of Sanborn Fire Insurance Maps for the property.

Due to the availability of other data sources (e.g., aerial photographs, personal interviews) the data failure has not significantly impacted the ability of Envirologic to identify RECs.

# **User's Responsibilities**

The user was interviewed and completed a user questionnaire (Appendix G). The user was not aware of any environmental or activity use limitations recorded against or relating to the property.

The user did not have actual knowledge of environmental liens or activity use limitations encumbering or in connection with the property.

The user did not have specialized knowledge or experience material to Recognized Environmental Conditions in connection with the property. Where specialized knowledge existed, it was provided to Envirologic.

# **Purchase Price**

A purchase price significantly less than the market value of the property may indicate contamination on the property. The user and property purchaser, Mr. Wes Eklund of Fleet Engineers, indicated to Envirologic that the purchase price represented fair market value for the property. Therefore, the property purchase price does not indicate that the property has known contamination.

# **Environmental Liens and Controls**

The MDEQ RRD Cost Recovery Unit website was queried regarding potential environmental liens on the subject property. According to the MDEQ website, no environmental liens were listed for the project site. The current property owner, was not aware of any institutional or engineering controls placed on the property. No such controls were identified on the tax cards obtained from the Assessor's Office.

No Institutional Controls or Engineering Controls have been identified in association with the subject property.

# Zoning

The subject property is zoned "I-2", General Industrial according to the City of Muskegon zoning map.

# **Site Ownership and Use History**

A questionnaire was completed by the seller/seller's representative in order to further identify the site use history of the subject property (Appendix G).

According to \_\_\_\_\_\_ on and consistent with Muskegon County Register of Deeds, he purchased the two parcels and a neighboring property in 1977. He has owned the property since that time except for a short time interval in which an intervening company took title, and was forced to re-sell the property to Mr. Morton after their attempts to develop the site were unsuccessful.

Mr. Morton initially developed the parcel east of the project site with the construction of an industrial building. In 1981 he constructed the front portion of the building located on the subject property (20,000 square feet). He used the building for general storage associated with his adjacent equipment sales business. In 1990, a second addition was made to the south (rear) of the building adding shipping docks and additional warehouse space, and bringing the size of the building to its present day 47,700 square feet.

Mr. Morton indicated that after using the property for his own warehousing purposes for a few years, he began a long term lease with Sealed Power (later Dana). Sealed Power used the site to store and re-package finished products and ship them to various customers. There was reportedly no manufacturing activities conducted on the property and the site was used solely for storage,

packaging and shipping. Currently, the property is leased to a Halloween retail store for warehousing product and supplies.

Aerial photographs confirm this site use history. The aerial photographs from 1938, 1950 and 1955 show the subject property and all surrounding land to be wooded, vacant land. The 1962 aerial photograph shows the subject property as wooded vacant land, but the parcel to the west had been developed by this time as a trucking terminal. The subject property remained the same on 1968 and 1974 aerial photographs. The 1981 aerial photograph shows the original front portion of the building had been constructed by the time of the photograph. There was no apparent parking or outdoor storage associated with the original building at this time. The aerial photograph from 1991 shows the addition to the south of the original building, depicting the building as it exists today. Subsequent aerial photographs from 1995, 1997, 2001, 2005, 2006 and 2008 show the property as it exists today. In the 1995 aerial photograph a trash dumpster and a small amount of stored items can be observed in the southern part of the parking area. It appears that at that time, this area was unpaved. In the 2001 aerial photograph a small amount of stored items can be observed next to the present day location of the trash compactor on top of asphalt. Based on the reported uses of the property, the nominal storage observed on the aerial photographs is not considered a recognized environmental condition. The property at 1815 E. Laketon was observed to remain a wooded lot on all of the aerial photographs and no evidence of use, fill material, or debris was noted on any of the aerial photographs.

City directories from 1875 to 2011 available from the Hackley Public Library were reviewed. Prior to 1981, there was no listing for the subject property or its neighbor to the east at 1885 E. Laketon. Beginning in 1982 and through 1988, there was no listing for the building and presumably it was considered part of the 1885 E. Laketon property which was identified as Michigan Platers Equipment. This was the name of business which is reported to have provided manufacturing equipment to local industries. The 1883 E. Laketon property was first listed in city directories in 1990 as "Sealed Power" and was listed as such until 1997. 1998 and 1999 directories listed this parcel as "Perfect Circle Sealed Power." 2000 and 2001 directories list the building occupant as "Dana – packaging and labeling services." Between 2002 and 2011, the building occupant was not listed except for 2007 which identified the occupant as

The 1815 parcel was never listed in city directories.

No RECs have been identified based upon the site ownership and use history.

# **Site Observations**

Mr. David Stegink, Senior Environmental Scientist with Envirologic, conducted a site inspection of the property on October 7, 2011. and Mr. Brad Morton, were available for the duration of the inspection to answer questions regarding property use. All areas of the property were accessible. Weather conditions consisted of sunny skies with temperatures in the 70s °F.

The interior of the building was observed to consist of offices in the front (northern) portion of the building. The original warehouse structure was observed to be a steel-frame building with concrete floors. Markings on the floor indicate the former location of shelving units previously used by Sealed Power/Dana to store finished goods. The 1991 addition is comprised of a shipping dock and receiving area and an additional 20,000 square feet of warehousing space. The southern portion contains rows of storage racks. No floor drains, sumps or patched areas were observed in the concrete floor. The northwestern corner of the building contains a small room where water for fire suppression enters the building.

The area surrounding the building is either asphalt paved parking or mowed grass. A transformer labeled "non-PCB" is located near the northwest corner of the building where electric power, natural gas and water services are connected to the building. A trash compactor and air-handling units are located on the east side of the building.

The wooded lot was observed to be vacant, wooded land. There was no evidence of fill material or former building foundations on the property. Minor amounts of litter were observed and when encountered should be properly disposed.

No indications of pits, ponds, lagoons, or areas of fill material were observed on the date of the site inspection. No indication of exterior chemical storage, underground storage tanks, stained ground surface, distressed vegetation, controlled substances, or improper waste disposal were observed on the date of the site inspection. No Recognized Environmental Conditions were identified as a result of the site inspection.

# **Chemical Storage and Waste Disposal (Current)**

There is no current chemical inventory stored on site and Mr. Charles and Brad Morton indicate that no chemicals were stored on site by Sealed Power/Dana or themselves. Chemical storage and waste disposal do not represent a Recognized Environmental Condition at the property.

# **Utilities**

The subject property is currently serviced by the following utilities: Sanitary sewer, natural gas, water, underground electric. The City of Muskegon indicates that water and sewer were both available at the time the property was first developed.

No storm sewer system is available on site. A catch basin in the recessed loading dock is therefore undoubtedly a dry well. The dry well was inspected and there was no evidence of staining or petroleum odors in or surrounding the drain. Based on the lack of chemical use on the site and Mr. Charles and Brad Morton's indication that there have been no fuel spills on site, the dry well is not a REC. Nonetheless, the user is cautioned that future use of this structure provides a direct pathway for spilled materials to impact the subsurface.

# **Underground Storage Tanks and Above Ground Storage Tanks**

No indications of the presence of underground storage tanks (vent pipes, fill ports, pumps) were observed during the site inspection. MDEQ and the City of Muskegon Fire Department had no records or knowledge of underground or above ground storage tanks associated with the subject property. No Recognized Environmental Conditions were identified with respect to underground or above ground storage tanks at the subject property.

# Polychlorinated Biphenyls (PCBs)

Envirologic evaluated the potential for PCBs-containing materials associated only with electrical and hydraulic equipment. One pad-mounted transformer was observed near the northwest corner of the building. The transformer was identified as being owned by Consumers Energy and was labeled "non-PCB". No evidence of a release, such as staining or distressed vegetation, were noted in association with the transformer. Consumers Energy would retain remedial liability for any impact associated with a potential leak or failure from the transformers.

# ASSESSMENT OF IDENTIFIED SITES OF CONCERN

# **Environmental Radius Report**

Environmental Data Resources, Inc. (EDR) generated an *EDR Radius Map Report* that is provided in Appendix C. The purpose of the radius report is to identify potential and confirmed sources of contamination at or near the subject property. EDR searched and reviewed appropriate state and federal environmental databases within required radii from the subject property, in accordance with ASTM Standard E1527-05 requirements. The following state and federal environmental databases were reviewed:

- Federal NPL—National Priority List, high-ranking contaminated sites targeted for federal cleanup action
- Federal CERCLIS—Comprehensive Environmental Response, Compensation, and Liability Information System, potential uncontrolled hazardous waste sites
- Federal NFRAP—sites with a completed assessment under CERCLA, and for which EPA has determined that no further steps will be taken
- Federal RCRA TSD—Resource Conservation and Recovery Act, permitted hazardous waste treatment, storage, and disposal facilities
- Federal RCRA COR—hazardous waste sites undergoing corrective action under RCRA
- Federal RCRA GEN—generators of hazardous waste
- Federal ERNS—CERCLA Emergency Response Notification System, sites where EPA has conducted emergency response actions for hazardous substance releases
- State Sites—State Priorities List, Part 201 Sites, sites subject to reporting and remediation under Michigan's Part 201 of Act 451
- State SWL—Solid Waste Facilities, active and inactive solid waste facilities
- State LUST—Leaking Underground Storage Tank, sites with confirmed releases from underground storage tank systems
- State UST/AST—Underground/Above Ground Storage Tank, sites with registered underground or above storage tanks
- And other reasonably ascertainable publicly available databases. Refer to Appendix C for a full list of all databases.

The majority of these sites were identified through the report as former (closed) sites of contamination or as sites that are listed simply due to the presence of regulated substances or wastes (e.g., UST site, RCRA Generator sites, etc.).

The subject property was not on any of the lists in the Environmental Radius Report.

The adjacent property to the west (KL Industries, ANR Freight) was identified as a site with a former underground storage tank. A 12,000 gallon diesel fuel tank had been located at the site and was removed in 1992. A release was identified during removal and remediation activities were conducted at the time of removal. The site achieved regulatory closure of the release on May 25, 1993. Based on the achievement of regulatory closure and the predominant groundwater flow direction to the southwest, this site is not considered a recognized environmental condition.

Wollohan Lumber located north of the site across E. Laketon was also identified on databases for past use of a 1,000-gallon gasoline underground storage tank. The tank was removed and a release reported. Subsequent cleanup and monitoring activities have addressed the impact on this site and regulatory closure was achieved on June 12, 1998. The release investigation defined groundwater flow direction to the southwest. The extent of contamination was defined and did not extend to Laketon Avenue. The site is now listed as the Muskegon Public Schools Bus Garage which is identified as a hazardous waste generator. Based on the achievement of regulatory closure, the defined extent of contamination and groundwater flow direction, this site is not considered a Recognized Environmental Condition.

Fleet Engineers located south of the site at 1800 E. Keating is identified as a small quantity generator of hazardous waste. This site is not considered a recognized environmental condition.

Twenty-seven orphan sites are listed in the radius report. These sites are not mapped due to incomplete address information. Envirologic reviewed the orphaned sites, and based on local knowledge identified their approximate location and none of the orphan sites were identified to be in the proximity of the project site.

# **Observations of Adjacent Properties**

The property is surrounded by industrial businesses. Immediately west of the 1815 E. Laketon parcel is a former trucking facility, ANR Freight. As previously referenced, this site formerly utilized a diesel fuel tank which has since been removed and the release addressed. Southwest of the site is a series of large industrial buildings operated by SAF Holland, an equipment manufacturer for commercial vehicles. The site is listed on the *Environmental Database Report* for a leaking

underground storage tank which has been closed. SAF Holland appears to be using the former ANR Freight parcel as a parking area.

Immediately south of the project site is a large industrial building operated by Fleet Engineers, a manufacturer of commercial vehicle components. East of the project site is Forming Technologies, a plastics thermoforming manufacturer of pallets and components. North of the project site across E. Laketon is the Muskegon Public Schools Bus Garage (former Wollohan Lumber site).

There was no outdoor chemical storage, operations, fueling stations, or other environmental concerns observed at the adjacent properties. While many of these sites are listed on environmental databases for chemical use, generation of hazardous wastes, and the former use and petroleum releases from underground storage tank systems, any releases noted on these properties have achieved regulatory closure and there is no evidence that the project site has been impacted by the neighboring properties. Similarly, aerial photographs did not indicate current or historic conditions on the adjoining properties that pose a Recognized Environmental Condition to the project site.

# CONCLUSIONS

Identification of potential environmental concerns at the project site has been limited to those items that may be administratively determined within the scope of this project. Envirologic has performed the Phase I ESA in accordance with the ASTM Standard Practice E1527-05 for the property located at 1815 – 1883 E. Laketon in Muskegon, Michigan. Additional non-CERCLA issues that are not typically part of the ASTM standard scope of services (i.e., asbestos, lead paint, radon, mold, vapor intrusion, wetlands, universal wastes) were not addressed as part of this Phase I ESA investigation.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of 1815 – 1883 E. Laketon in Muskegon, Michigan, "the property." Any exceptions to, or deletions from, this practice are described in the *Limitations* section of this report. This assessment has revealed no evidence of Recognized Environmental Conditions in connection with the property. No further assessment of the subject property is warranted at this time

# **Offsite Concerns**

The potential for offsite activities to adversely impact the subject property has been evaluated. No indications of the potential for current or historic impact from offsite sources were identified through the course of this Phase I ESA.

# FEDERAL BROWNFIELD AMENDMENTS TO CERCLA

The Small Business Liability Relief and Brownfields Revitalization Act of 2002 amended the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) to provide liability limitations for certain landowners. The due diligence effort completed by Envirologic was designed, in part, to meet the requirements that allow landowners to qualify for those protections.

Where no contamination has been evident, the completion of "all appropriate inquiry" was intended to help qualify a landowner as either an "innocent landowner" and/or a "contiguous property owner" with respect to liabilities that may be discovered in the future.

Where contamination has been discovered, the effort was also designed to partly establish a landowner as a "Bona Fide Prospective Purchaser" (one of the requirements is a demonstration that the landowner is not affiliated with any liable party and is beyond the scope of Envirologic's services). To qualify as a "Bona Fide Prospective Purchaser", the landowner must also:

- 1. comply with any land use restrictions,
- 2. not impede the effectiveness of integrity of any institutional control,
- 3. take reasonable steps to stop continuing releases, prevent future releases, and prevent or limit human and environmental exposures to hazardous substances,
- 4. provide cooperation, access, and assistance to persons authorized to conduct response actions,
- 5. comply with information requests, and
- 6. provide any legally required notices.

# **LIMITATIONS**

A Phase I ESA represents an attempt to perform an appropriate, particular, and reasonable inquiry consistent with good commercial and customary practice. The Phase I ESA is by necessity a limited investigation. It is not possible to address all past or present land uses and/or site practices that may have affected the quality of the local environment. However, in the professional opinion of Envirologic Technologies, Inc., an appropriate level of inquiry has been made into the previous ownership and uses of the property consistent with good commercial and customary practice in an effort to minimize liability. Interpretations of information provided in this report should be made with respect to the limitations and availability of the data. The results and conclusions of this study do not insure, warrant, or represent that there are no additional environmental issues that might be discovered if additional subsurface investigations were to be undertaken.

Additional non-CERCLA issues that are not typically part of the ASTM standard scope of services (i.e., asbestos, lead paint, radon, mold, vapor intrusion, wetlands, universal wastes) were not addressed as part of this Phase I ESA investigation.

# **QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS**

The following individuals have conducted this Phase I ESA in accordance with the All Appropriate Inquiry Rule 40 CFR Part 312 and are Environmental Professionals.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

David A. Stegink

Associate Vice President

DavdA. Ster

David A. Stegink graduated from Hope College with a Bachelor of Science degree in Chemistry/Biology and has over 25 years of environmental related experience. Mr. Stegink has been an Environmental Compliance Manager for Envirologic since 1991. Between 1984 and 1991, Mr. Stegink served as a Chemist and Operations Manager for a commercial hazardous waste treatment facility. Mr. Stegink's expertise includes transactional environmental liability, property assessments including Phase I and II ESAs, baseline environmental assessments (BEAs), hazardous waste management, underground storage tanks, storm water management, and environmental policy and regulations.

Erik D. Peterson

**Project Manager** 

**Erik D. Peterson** holds a Bachelor of Science degree in Hydrogeology from Western Michigan University. Mr. Peterson has been HAZWOPER supervisor certified since May of 1998. Mr. Peterson is an accredited Asbestos Building Inspector through the Michigan Department of Consumer and Industry Services. Mr. Peterson has 11 years of experience with Envirologic in the areas of Phase I and Phase II ESAs, Baseline Environmental Assessments (BEAs), and project management.

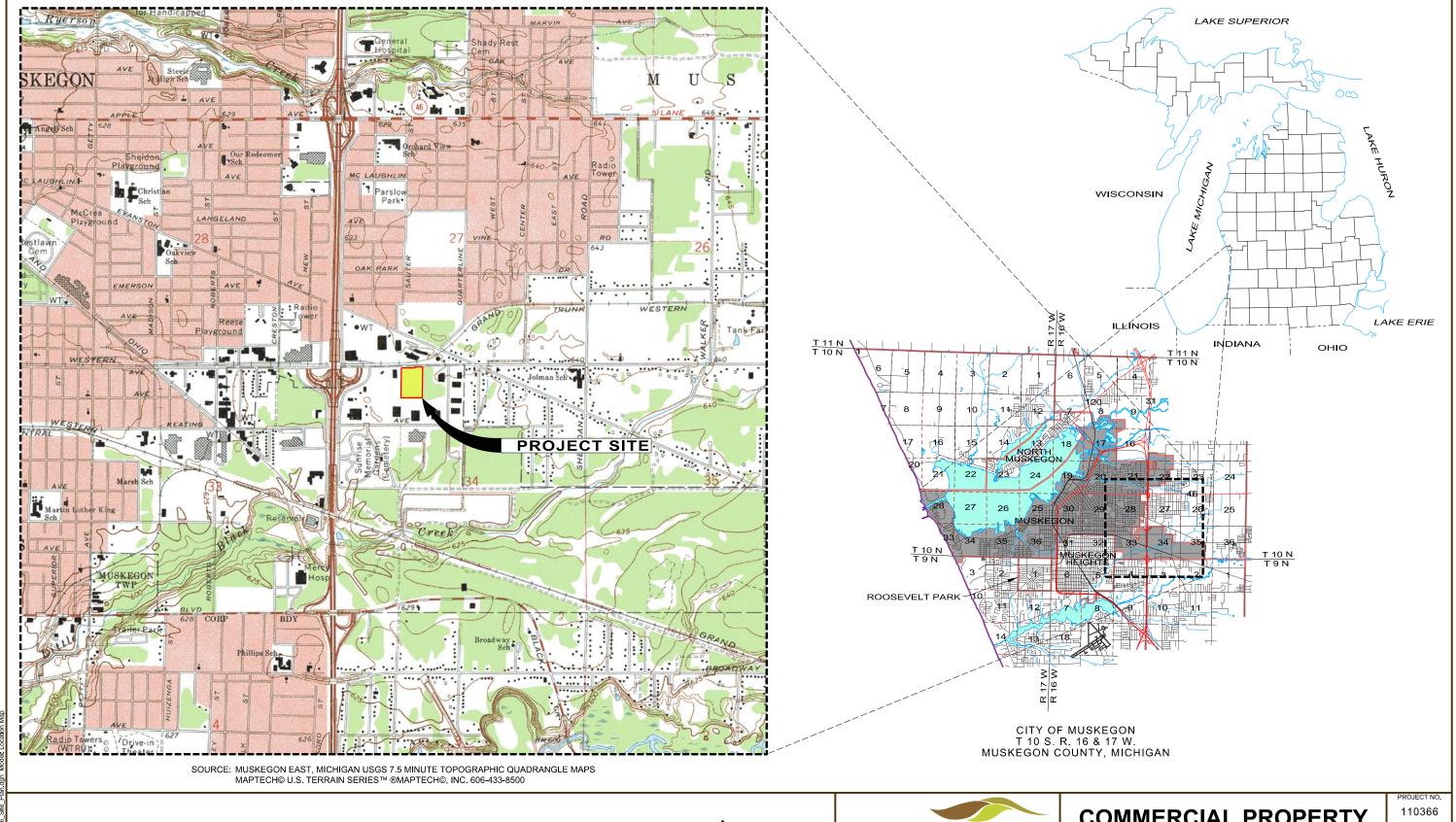
H:\Projects\Projects\_C\City of Muskegon\Fleet Engineers\1883 E Laketon\110366p1.doc

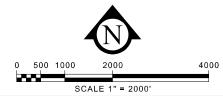
# **APPENDIX A**

# **SITE FIGURES**

Figure 1: Location Map
Figure 2: Site Plan









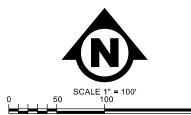
# **COMMERCIAL PROPERTY**

1815 & 1883 EAST LAKTON MUSKEGON, MICHIGAN 49422

**LOCATION MAP** 

FIGURE No.





NOTE: AERIAL PHOTOGRAPHY: 2008 COLOR ORTHOPHOTO, OBTAINED FROM THE CITY O

MUSKEGON GIS VIEWER.

NOTE:
THIS IS NOT A PROPERTY BOUNDARY SURVEY, PROPERTY BOUNDARIES SHOWN ON THIS MAP
ARE BASED ON AVAILABLE FURNISHED INFORMATION AND ARE APPROXIMATE ONLY AND
SHOULD NOT BE USED TO ESTABLISH PROPERTY BOUNDARY LOCATION IN THE FIELD.

# **COMMERCIAL PROPERTY**

1815 & 1883 EAST LAKETON MUSKEGON, MICHIGAN 49442

**SITE PLAN** 



110366
FIGURE No.

2

# **APPENDIX B**

# **SITE PHOTOGRAPHS**







Front of building



East side of building





West side of building



Bus garage north of site



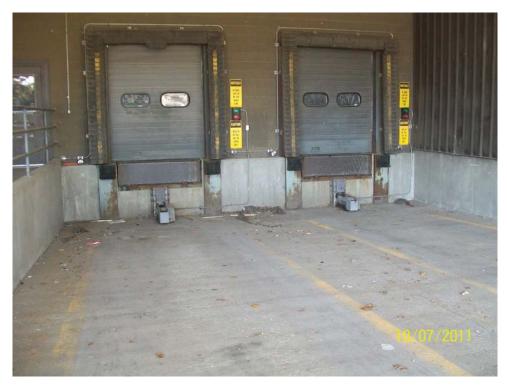


North view of woodlot



Recessed receiving area





Shipping dock and dry well



Transformer label





Transformer



Trash compactor

# **APPENDIX C**

# **ENVIRONMENTAL RADIUS REPORT**

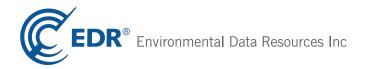


Industrial Property E LAKETON AVE Muskegon, MI 49442

Inquiry Number: 3176068.2s

September 29, 2011

# The EDR Radius Map™ Report with GeoCheck®



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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

# TARGET PROPERTY INFORMATION

# **ADDRESS**

E LAKETON AVE MUSKEGON, MI 49442

# **COORDINATES**

Latitude (North): 43.218800 - 43° 13' 7.7" Longitude (West): 86.198900 - 86° 11' 56.0"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 565066.1 UTM Y (Meters): 4785209.0

Elevation: 633 ft. above sea level

# USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 43086-B2 MUSKEGON EAST, MI

Most Recent Revision: 1980

# **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 2006, 2005 Source: USDA

# TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
K L INDUSTRIES - LAKETON 1775 EAST LAKETON AVENUE MUSKEGON, MI 49442	NPDES	N/A

# **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

# STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list	
NPL	_ National Priority List

Proposed NPL..... Proposed National Priority List Sites NPL LIENS..... Federal Superfund Liens Federal Delisted NPL site list Delisted NPL..... National Priority List Deletions Federal CERCLIS list CERCLIS.... FEDERAL FACILITY..... Federal Facility Site Information listing Federal CERCLIS NFRAP site List CERC-NFRAP..... CERCLIS No Further Remedial Action Planned Federal institutional controls / engineering controls registries US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROL..... Sites with Institutional Controls Federal ERNS list ERNS..... Emergency Response Notification System State and tribal landfill and/or solid waste disposal site lists SWF/LF..... Solid Waste Facilities Database State and tribal leaking storage tank lists INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land State and tribal registered storage tank lists AST\_\_\_\_\_ Aboveground Tanks INDIAN UST\_\_\_\_\_ Underground Storage Tanks on Indian Land FEMA UST...... Underground Storage Tank Listing State and tribal voluntary cleanup sites INDIAN VCP..... Voluntary Cleanup Priority Listing State and tribal Brownfields sites BROWNFIELDS..... Brownfields and UST Site Database ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

SWRCY..... Recycling Facilities

HIST LF..... Inactive Solid Waste Facilities

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

# Local Lists of Hazardous waste / Contaminated Sites

..... Clandestine Drug Labs

DEL SHWS..... Delisted List of Contaminated Sites ..... Clandestine Drug Lab Listing

US HIST CDL..... National Clandestine Laboratory Register

# Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS.....Land Use Control Information System

LIENS.....Lien List

# Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... Pollution Emergency Alerting System

# Other Ascertainable Records

DOT OPS..... Incident and Accident Data DOD...... Department of Defense Sites

CONSENT...... Superfund (CERCLA) Consent Decrees

ROD..... Records Of Decision UMTRA..... Uranium Mill Tailings Sites MINES..... Mines Master Index File

TRIS...... Toxic Chemical Release Inventory System

TSCA...... Toxic Substances Control Act

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS...... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS...... Integrated Compliance Information System

PADS...... PCB Activity Database System MLTS..... Material Licensing Tracking System RADINFO...... Radiation Information Database

FINDS..... Facility Index System/Facility Registry System RAATS......RCRA Administrative Action Tracking System

UIC...... Underground Injection Wells Database

WDS...... Waste Data System DRYCLEANERS..... Drycleaning Establishments

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

FINANCIAL ASSURANCE.... Financial Assurance Information Listing COAL ASH DOE...... Sleam-Electric Plan Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

COAL ASH...... Coal Ash Disposal Sites

# **EDR PROPRIETARY RECORDS**

# **EDR Proprietary Records**

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

# **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

# STANDARD ENVIRONMENTAL RECORDS

# Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/09/2011 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BURDICK JACKSON INC	1953 S HARVEY ST	WSW 1/4 - 1/2 (0.371 mi.)	127	76

# Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/15/2011 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BURDICK JACKSON INC	1953 S HARVEY ST	WSW 1/4 - 1/2 (0.371 mi.)	127	76

#### Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/15/2011 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ADAC PLASTICS	1801 E KEATING AVE	S 1/8 - 1/4 (0.190 mi.)	E17	31

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/15/2011 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AERO FOIL INTERNATIONAL	1920 PORT CITY BOULEVAR	ESE 1/8 - 1/4 (0.164 mi.)	B8	13

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/15/2011 has revealed that there are 5 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MUSKEGON SCHOOLS	1800 E LAKETON AVE	NNE 0 - 1/8 (0.058 mi.)	A6	11
FLEET ENGINEERS INC	1800 KEATING AVE	S 1/8 - 1/4 (0.188 mi.)	E14	26
WILKIE CO	2281 PORT CITY BLVD	ENE 1/8 - 1/4 (0.190 mi.)	D15	29
CITY OF MUSKEGON SCHOOLS	1854 INDUSTRIAL BLVD	W 1/8 - 1/4 (0.191 mi.)	F18	37
MID-WEST SPRING AND STAMPING	1935 E LAKETON AVE	ENE 1/8 - 1/4 (0.217 mi.)	21	65

## State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state

funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Quality's' Contaminated Sites List on Diskette With Address.

A review of the SHWS list, as provided by EDR, and dated 08/01/2011 has revealed that there are 4 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HONEYWELL BURDICK & JACKSON Facility Status: Inactive - no actions take	1953 SOUTH HARVEY STREE on to address contamination	WSW 1/4 - 1/2 (0.371 mi.)	128	91
Lower Elevation	Address	Direction / Distance	Map ID	Page
ESCO Facility Status: Interim Response in prog	1221 BARNEY AVE. gress	SW 1/2 - 1 (0.961 mi.)	29	92
<b>1870 HUIZENGA STREET</b> Facility Status: Inactive - no actions take	1870 HUIZENGA STREET en to address contamination	W 1/2 - 1 (0.975 mi.)	30	92
AMERICAN COIL SPRING CO Facility Status: Inactive - no actions take	1041 E KEATING AVE en to address contamination	WSW 1/2 - 1 (0.991 mi.)	32	93

## State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Leaking Underground Storage Tank (LUST) Database.

A review of the LUST list, as provided by EDR, and dated 07/02/2011 has revealed that there are 9 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANR FREIGHT SYSTEMS INC Facility Status: Closed	1775 E LAKETON AVE	NNE 0 - 1/8 (0.054 mi.)	A2	7
WOLOHAN LUMBER CO Facility Status: Closed	1800 E LAKETON AVE	NNE 0 - 1/8 (0.058 mi.)	A5	10
MUSKEGON CO-OP FED CREDIT UNIO Facility Status: Open	1920 E LAKETON AVE	ENE 1/8 - 1/4 (0.185 mi.)	D12	24
PORT CITY DIE CAST Facility Status: Closed	1985 E LAKETON AVE	ENE 1/4 - 1/2 (0.266 mi.)	G22	67
JFF INC Facility Status: Open	2000 E LAKETON AVE	ENE 1/4 - 1/2 (0.272 mi.)	G23	69
RYDER TRANSPORTATION SERV #262 Facility Status: Open Facility Status: Open	2040 E LAKETON AVE	ENE 1/4 - 1/2 (0.288 mi.)	G24	71
LANE'S LAKETON GAS Facility Status: Closed	2110 EVANSTON AVE.	E 1/4 - 1/2 (0.366 mi.)	H26	75
Lower Elevation	Address	Direction / Distance	Map ID	Page
UNITED PARCEL SERVICE Facility Status: Closed	1970 PORT CITY BLVD	ESE 1/8 - 1/4 (0.177 mi.)	<b>C</b> 9	16

Lower Elevation	Address	Direction / Distance	Map ID	Page
COCA-COLA BOTTLING CO OF MI. Facility Status: Closed	1770 E KEATING AVE	S 1/8 - 1/4 (0.188 mi.)	13	25

#### State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Michigan UST database.

A review of the UST list, as provided by EDR, and dated 07/02/2011 has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ANR FREIGHT SYSTEMS INC	1775 E LAKETON AVE	NNE 0 - 1/8 (0.054 mi.)	A2	7
PACIFIC PRIDE MUSKEGON	1725 LAKETON AVE	NW 0 - 1/8 (0.056 mi.)	3	8
WOLOHAN LUMBER CO	1800 E LAKETON AVE	NNE 0 - 1/8 (0.058 mi.)	A5	10
MUSKEGON CO-OP FED CREDIT UNIO	1920 E LAKETON AVE	ENE 1/8 - 1/4 (0.185 mi.)	D12	24
THE PUB SCHOOLS CITY OF MUSKEG	1854 INDUSTRIAL BLVD.	W 1/8 - 1/4 (0.191 mi.)	F19	39
Lower Elevation	Address	Direction / Distance	Map ID	Page
UNITED PARCEL SERVICE COCA-COLA BOTTLING CO OF MI.	1970 PORT CITY BLVD 1770 E KEATING AVE	ESE 1/8 - 1/4 (0.177 mi.) S 1/8 - 1/4 (0.188 mi.)	C9 13	16 25

#### State and tribal institutional control / engineering control registries

AUL: A listing of sites with institutional and/or engineering controls in place.

A review of the AUL list, as provided by EDR, and dated 05/21/2011 has revealed that there are 3 AUL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WOLOHAN LUMBER COMPANY	1800 E. LAKETON AVE.	NNE 0 - 1/8 (0.058 mi.)	A4	9
LANE'S LAKETON GAS	2099 EVANSTON AVE	E 1/4 - 1/2 (0.347 mi.)	H25	74
LANE'S LAKETON GAS	2110 EVANSTON AVE.	E 1/4 - 1/2 (0.366 mi.)	H26	<i>7</i> 5

#### ADDITIONAL ENVIRONMENTAL RECORDS

## Other Ascertainable Records

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 06/15/2011 has revealed that there is

1 RCRA-NonGen site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
THERM O DISC MIDWEST COMPONENT	1981 PORT CITY BLVD	ESE 1/8 - 1/4 (0.180 mi.)	C11	18

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2009 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	<b>Direction / Distance</b>	Map ID	Page
MUSKEGON ORD PLANT		WSW 1/2 - 1 (0.988 mi.)	31	93

BEA: Baseline Environmental Assessment.

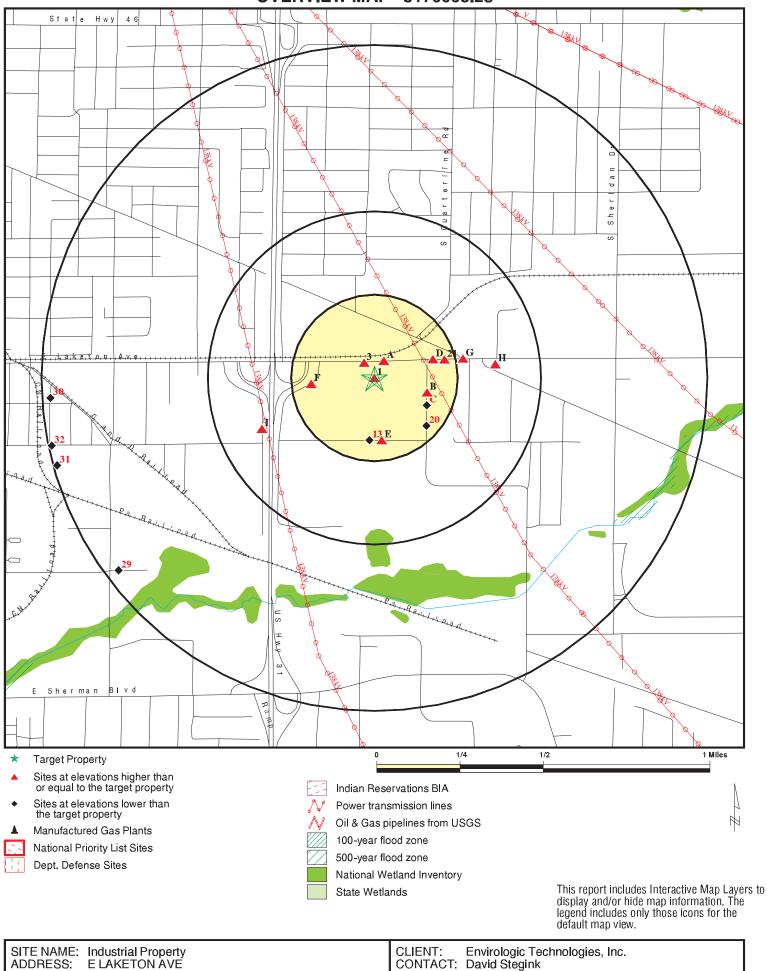
A review of the BEA list, as provided by EDR, and dated 08/29/2011 has revealed that there are 3 BEA sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
1920 PORT CITY BOULEVARD ALLOY RESOURCE CORP	1920 PORT CITY BOULEVAR <b>2281 PORT CITY BOULEVAR</b>	,	В7 <b>D16</b>	13 <b>31</b>
Lower Elevation	Address	Direction / Distance	Map ID	Page
1981 PORT CITY BOULEVARD	1981 PORT CITY BOULEVAR	ESE 1/8 - 1/4 (0.180 mi.)	C10	17

Due to poor or inadequate address information, the following sites were not mapped. Count: 27 records.

Site Name	Database(s)
DARIEN PROPERTY	WDS
TELEDYNE CONTINENTAL MOTORS	SHWS, AUL
RESTLAWN CEMETARY MAINTENANCE GARA	SHWS, AUL
CHEVRON TERMINAL	SHWS
COMMERCIAL WELLS GETTY ST	SHWS
MUSKEGON LAKE - RUDDIMAN CREEK	SHWS
1960 S ROBERTS	SHWS, SPILLS
RUDDIMAN CREEK DRUM DUMP	SHWS
MUSKEGON RIVER DRUM DUMP	SHWS
PECK STREET. LANDFILL	CERC-NFRAP, SHWS
ANCHOR EXC & WRECKING CO LF	HIST LF
WAYNES FOOD MART INC.	LUST
MUSKEGON COUNTY LANDFILL	LUST, UST
MUSKEGON TWP	LUST, UST
WAYNES FOOD MART INC	UST
PRO-GAS SALES & SERV	AST
CONSUMERS CONCRETE CORP	RCRA-NonGen
COUNTY OF MUSKEGON WASTE WATER SYS	RCRA-NonGen, FINDS
FORMER COUNTY OWNED PROPERTY	BEA
ACCESS HIGHWAY	BEA
MICHIGAN SHORE RAILROAD PROPERTY	BEA
MID MICHIGAN RAILROAD PROPERTY	BEA
2110 EVANSTON AVE.	BEA
MICHCON AND CSX PROPERTY	BEA
FORMER MICHCON PROPERTY	BEA
RAILTEX PROPERTY (FORMER)	BEA
TERRACE POINT PROPERTY - PARCEL 1	BEA

# **OVERVIEW MAP - 3176068.2s**



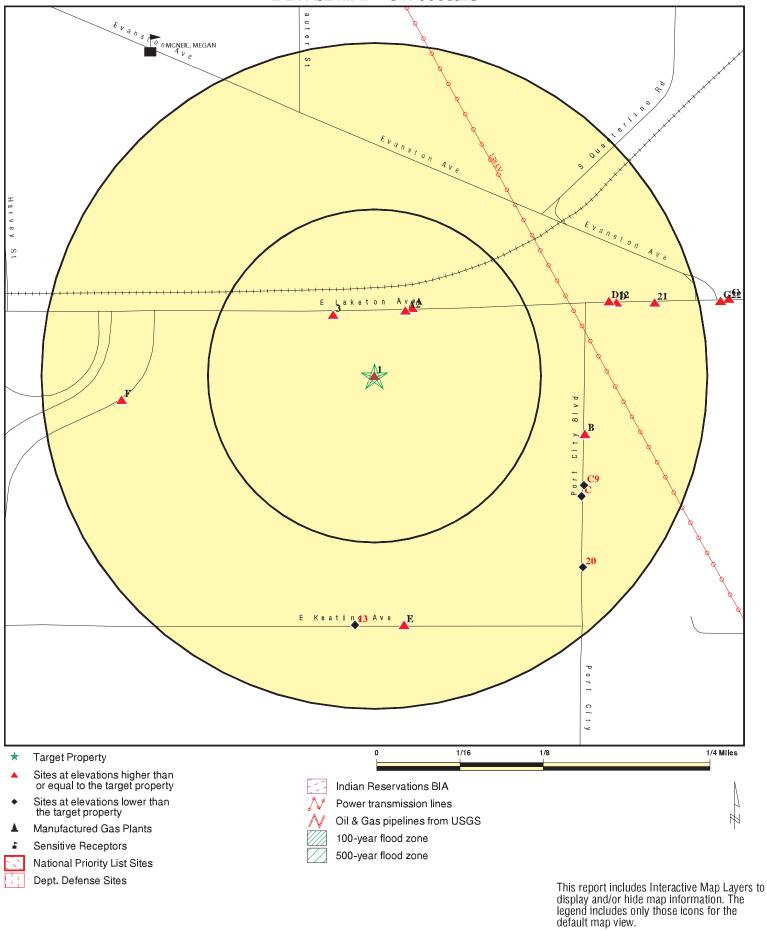
ADDRESS: E LAKETON AVE Muskegon MI 49442 INQUIRY#: 3176068.2s

LAT/LONG:

43.2188 / 86.1989

DATE: September 29, 2011 4:54 pm

## **DETAIL MAP - 3176068.2s**



SITE NAME: Industrial Property
ADDRESS: E LAKETON AVE
Muskegon MI 49442
LAT/LONG: 43.2188 / 86.1989

CLIENT: Envirologic Technologies, Inc.
CONTACT: David Stegink
INQUIRY #: 3176068.2s
DATE: September 29, 2011 4:55 pm

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted	
STANDARD ENVIRONMENTAL RECORDS									
Federal NPL site list									
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0	
Federal Delisted NPL sit	e list								
Delisted NPL		1.000	0	0	0	0	NR	0	
Federal CERCLIS list									
CERCLIS FEDERAL FACILITY		0.500 1.000	0 0	0 0	0 0	NR 0	NR NR	0 0	
Federal CERCLIS NFRAP site List									
CERC-NFRAP		0.500	0	0	0	NR	NR	0	
Federal RCRA CORRACTS facilities list									
CORRACTS		1.000	0	0	1	0	NR	1	
Federal RCRA non-CORRACTS TSD facilities list									
RCRA-TSDF		0.500	0	0	1	NR	NR	1	
Federal RCRA generator	rs list								
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 0 1	1 1 4	NR NR NR	NR NR NR	NR NR NR	1 1 5	
Federal institutional controls / engineering controls registries									
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0	
Federal ERNS list									
ERNS		TP	NR	NR	NR	NR	NR	0	
State- and tribal - equivalent CERCLIS									
SHWS		1.000	0	0	1	3	NR	4	
State and tribal landfill a solid waste disposal site									
SWF/LF		0.500	0	0	0	NR	NR	0	
State and tribal leaking storage tank lists									
LUST INDIAN LUST		0.500 0.500	2 0	3 0	4 0	NR NR	NR NR	9 0	
State and tribal registered storage tank lists									
UST		0.250	3	4	NR	NR	NR	7	

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST INDIAN UST FEMA UST		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
State and tribal institutional control / engineering control registries								
AUL		0.500	1	0	2	NR	NR	3
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfi	elds sites							
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	NTAL RECORDS	<u> </u>						
Local Brownfield lists		0.500	•	•	•	ND	ND	0
US BROWNFIELDS	Callel	0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Waste Disposal Sites	Solia							
ODI DEBRIS REGION 9 SWRCY HIST LF INDIAN ODI		0.500 0.500 0.500 0.500 0.500	0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL DEL SHWS CDL US HIST CDL		TP 1.000 TP TP	NR 0 NR NR	NR 0 NR NR	NR 0 NR NR	NR 0 NR NR	NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2 LUCIS LIENS		TP 0.500 TP	NR 0 NR	NR 0 NR	NR 0 NR	NR NR NR	NR NR NR	0 0 0
Records of Emergency Release Reports								
HMIRS SPILLS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	cords							
RCRA-NonGen DOT OPS DOD FUDS CONSENT ROD		0.250 TP 1.000 1.000 1.000 1.000	0 NR 0 0 0	1 NR 0 0 0 0	NR NR 0 0 0	NR NR 0 1 0	NR NR NR NR NR NR	1 0 0 1 0

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS UIC		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
WDS		TP	NR	NR NR	NR NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR NR	NR	NR	0
NPDES	Χ	0.230 TP	NR	NR	NR	NR	NR	0
AIRS	^	TP	NR	NR	NR	NR	NR	0
BEA		0.500	0	3	0	NR	NR	3
INDIAN RESERV		1.000	0	Ö	ő	0	NR	0
SCRD DRYCLEANERS		0.500	Õ	Ö	Ö	NR	NR	Ő
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	Ö
COAL ASH DOE		TP	NR	NR	NR	NR	NR	Ö
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECOR	DS							
EDR Proprietary Records	;							
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

## NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**K L INDUSTRIES - LAKETON NPDES** S110093451 **Target** 1775 EAST LAKETON AVENUE N/A

**Property** MUSKEGON, MI 49442

MI NPDES:

Permit Number: MIS310609

Permitee PO Box: Actual:

633 ft. Permitee Email: Not reported Issue Date: 3/26/2008 4/1/2008 Effective Date: **Expiration Date:** 4/1/2013

> Permittee Name: K L Industries Incorporated Permittee Address: 1790 Sun Dolphin Drive

Permittee Addr2: Not reported

Muskegon, MI 49444 Permittee City, St, Zip:

Permit Type: COC Facility Name 2: Not reported Facility Name 3: Not reported Facility Name 4: Not reported

K L Industries Inc-Laketon Designed Name: Latitude: 43.214120000000001

Lat Direction: Ν Lat Type Code: LAT

Longitude: -86.202070000000006

Lon Direction: W Lon Type Code: LON Hydrologic Unit Code: 4060102

LUST U000261258 **A2 ANR FREIGHT SYSTEMS INC NNE** 1775 E LAKETON AVE **UST** N/A

< 1/8 0.054 mi.

287 ft. Site 1 of 4 in cluster A

LUST: Relative:

Facility ID: 00006807 Higher

MUSKEGON, MI 49442

Source: STATE OF MICHIGAN Actual: Owner Name: Anr Frieght Syst Inc 634 ft. Owner Address: 1819 DENVER W DR B/26 **GOLDEN, CO 80401** Owner City, St, Zip:

Owner Contact: Not reported (303) 278-9900 Owner Phone:

Country: USA

District: **Grand Rapids District Office** Site Name: Anr Freight Systems 43.2194330000 Latitude: -86.2001060000 Longitude: Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100 Accuracy Value Unit: **FEET** Horizontal Data: NAD83 Point Line Area: **POINT** 

Desc Category: Plant Entrance (Freight)

Leak Number: C-0649-92 Release Date: Apr 23 1992 Substance Released: Diesel Release Status: Closed Release Closed Date: May 25 1993

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## ANR FREIGHT SYSTEMS INC (Continued)

U000261258

UST:

00006807 Facility ID: Facility Type: CLOSED Latitude: 43.2194330000 Longitude: -86.2001060000 Owner Name: Anr Frieght Syst Inc 1819 DENVER W DR B/26 Owner Address: Owner City, St, Zip: **GOLDEN, CO 80401** Owner Country: USA

Owner Contact: Not reported Owner Phone: (303) 278-9900 Contact: CHARLES N. MILLER Contact Phone: (703) 983-0299 Date of Collection: 01-11-2001 100 Accuracy:

Accuracy Value Unit: **FEET** Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: **POINT** 

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 12000 Install Date: Feb 21 1961 Diesel Product: Remove Date: Apr 22 1992 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

**PACIFIC PRIDE MUSKEGON** NW **1725 LAKETON AVE** < 1/8 MUSKEGON, MI 49424

0.056 mi. 293 ft.

3

UST: Relative:

00035693 Facility ID: Higher Facility Type: ACTIVE

Actual: Latitude: 43.2192220000 634 ft. Longitude: -86.2014070000 M & W Land Inc Owner Name:

Owner Address: 11372 E Lakewood Blvd Holland, MI 49424-9605 Owner City, St, Zip:

Owner Country: Not reported Owner Contact: Owner Phone: (616) 392-7036 Contact: William Beckswoort Contact Phone: (616) 392-7036 Date of Collection: 11-01-2005 Accuracy: 100

Accuracy Value Unit: **FEET**  UST

U003329372

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

PACIFIC PRIDE MUSKEGON (Continued)

Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID:

Tank Status: Currently In Use

Capacity: 12000
Install Date: Dec 13 1991
Product: Diesel
Remove Date: Not reported

Tank Release Detection: Automatic Tank Gauging Pipe Realease Detection: Automatic Line Leak Detectors

Piping Material: Fiberglass reinforced plastic, Secondary Containment

Piping Type: Pressure

Constr Material: Cathodically Protected Steel, Epoxy Coated Steel

Impressed Device: No

Tank ID:

Tank Status: Currently In Use

Capacity: 10000
Install Date: Dec 13 1991
Product: Gasoline
Remove Date: Not reported

Tank Release Detection: Automatic Tank Gauging
Pipe Realease Detection: Automatic Line Leak Detectors

Piping Material: Fiberglass reinforced plastic, Secondary Containment

Piping Type: Pressure

Constr Material: Cathodically Protected Steel, Epoxy Coated Steel

Impressed Device: No

A4 WOLOHAN LUMBER COMPANY AUL \$109278402 NNE 1800 E. LAKETON AVE. N/A

NNE 1800 E. LAKETON AVE.
< 1/8 MUSKEGON TWP, MI 49442</p>

0.058 mi.

309 ft. Site 2 of 4 in cluster A

Relative: AUL: Higher Sta

Status: Recorded
Site Name: Not reported

Actual: Property: 1775 Evanston Ave., Muskegon Township 634 ft. RC

Program Type: Part 213
Program Support Assigned User: Nicholas Ekel
Program Support Assigned Date: 11/9/2010 13:22:46.22

Legal Description Of Property: Migrated
Based On The Deq Ref #: 11121304355
MDEQ Reference Number: RC-RRD-213-04-355

Property Or Description Restricted Area: Migrated Lead Division: STD

File Name Of Hyperlinked Legal Doc: U:\KERMIT\\11121304355.PDF

Mapped Polygon S Area In Acres: Not reported Mapped Polygon S Area In Square Miles: Not reported Date Data Entry Started: Not reported Date Data Entry Finished: Not reported

Individual Or Staff Assoc With The Mapping: Not reported

**EDR ID Number** 

U003329372

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## **WOLOHAN LUMBER COMPANY (Continued)**

S109278402

Program Used To Map Restricted Features: Not reported

Off-site location. 20101109 - LRUR is NOT mapped in KERMIT - Nick Ekel Map Comments: Request received on 7/7/2004 Off-site location owned by Matthew F. Comment: Durda and Patricia M. Durda, husband and wife. Can't read the

recording date, but Liber 2073, Pages 303-306 are clear. Nick requested legal description. District sent legal description

LUST

UST

U000261261

N/A

Date Legal Paperwork Stamped/Filed/Register Of Deeds: 3/11/1993 00:00:00

Commercial I Land Use Restriction: Commercial li Land Use Restriction: 0 Commercial lii Land Use Restriction: 0 Commercial Iv Land Use Restriction: 0 Industrial Land Use Restriction: 0 Residential Land Use Restriction: 0 Recreational Land Use Restriction: 0 Multiple Land-Use Restrictions: 0 Site Specific Restrictions: n Groundwater Consumption Restrictions: 1 **Groundwater Contact Restrictions:** Special Well Construction Requirements: 0 Special Building Restrictions: **Excavation And Soil Movement Restrictions:** 0 Soil Movement Requirements: 0 0 There Is A Restriction On All Construction: Monitoring Well Protected, No Tampering Or Removal: 0 There Is An Exposure Barrier In Place: 0 There Is A Health And Safety Plan: 0 There Is A Permanent Marker On The Site: 0

Α5 **WOLOHAN LUMBER CO** NNE **1800 E LAKETON AVE** < 1/8 MUSKEGON, MI 49442 0.058 mi.

Site 3 of 4 in cluster A 309 ft.

Relative: Higher

LUST:

Facility ID: 00013930

Source: STATE OF MICHIGAN Actual: Owner Name: Wolohan Lumber Co 634 ft. Owner Address: 1800 E Laketon Ave Owner City, St, Zip: Muskegon, MI 49442-6124

> Owner Contact: Not reported Owner Phone: (616) 773-3371

Country: USA

District: Grand Rapids District Office

Site Name: Wolohan Lumber Latitude: 43.2197130000 Longitude: -86.1994850000 Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100 Accuracy Value Unit: **FEET** Horizontal Data: NAD83 Point Line Area: **POINT** 

Desc Category: Plant Entrance (Freight)

C-0014-89 Leak Number: Sep 19 1989 Release Date: Substance Released: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

## WOLOHAN LUMBER CO (Continued)

U000261261

**EDR ID Number** 

Release Status: Closed Release Closed Date: Jun 12 1998

UST:

Facility ID: 00013930
Facility Type: CLOSED
Latitude: 43.2197130000
Longitude: -86.1994850000
Owner Name: Wolohan Lumber Co
Owner Address: 1800 E Laketon Ave
Owner City, St, Zip: Muskegon, MI 49442-6124

Owner Country: USA

Not reported Owner Contact: (616) 773-3371 Owner Phone: Contact: **RON HOPKINS** Contact Phone: (616) 773-3371 Date of Collection: 01-11-2001 Accuracy: 100 Accuracy Value Unit: **FEET** Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 1000
Install Date: May 8 1966
Product: Gasoline
Remove Date: Aug 1 1988
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

MUSKEGON SCHOOLS RCRA-CESQG 1004725944
1800 E LAKETON AVE MIR000102210

NNE 1800 E LAKETON AVE < 1/8 MUSKEGON, MI 49442

0.058 mi.

Α6

309 ft. Site 4 of 4 in cluster A

Relative: RCRA-CESQG:

Higher Date form received by agency: 01/29/2001

Facility name: MUSKEGON SCHOOLS

Actual: Facility address: 1800 E LAKETON AVE

634 ft. MUSKEGON, MI 49442

EPA ID: MIR000102210
Contact: DAVE BECKMAN
Contact address: 1800 E LAKETON AVE
MUSKEGON, MI 49442

Contact country: US

Contact telephone: (231) 720-3160 Contact email: Not reported

EPA Region: 05

Classification: Conditionally Exempt Small Quantity Generator

Direction Distance Elevation

Site Database(s) EPA ID Number

## **MUSKEGON SCHOOLS (Continued)**

1004725944

**EDR ID Number** 

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: MUSKEGON PUBLIC SCHOOLS

Owner/operator address: Not reported

Not reported

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Owner

Not reported

Not reported

Owner/operator name: MUSKEGON PUBLIC SCHOOLS

Owner/operator address: Not reported

Not reported

Owner/operator country:

Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:

Not reported
District
Operator
Operator
Operator
Ot/01/1901
Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

## **MUSKEGON SCHOOLS (Continued)**

1004725944

**EDR ID Number** 

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

S108669785 **B7** 1920 PORT CITY BOULEVARD BEA ESE 1920 PORT CITY BOULEVARD N/A

1/8-1/4 MUSKEGON, MI 49442

0.164 mi.

Site 1 of 2 in cluster B

Relative: Equal

865 ft.

Secondary Address: Not reported

BEA Number: 2142

Actual:

District: **Grand Rapids** 

633 ft. 8/17/2007 12:59:00 AM Date Received:

Aero Foil International Inc Submitter Name:

Petition Determination: No Request

Petition Disclosure:

Category: Same Hazardous Substance(s)

Determination 20107A: No Request Reviewer: heytg

**Environmental Response Division** Division Assigned:

Secondary Address: Not reported

BEA Number: 2143

District: **Grand Rapids** 

Date Received: 8/17/2007 12:59:00 AM Submitter Name: AFI Real Estate LLC

Petition Determination: No Request

Petition Disclosure:

Category: Same Hazardous Substance(s)

Determination 20107A: No Request

Reviewer: heytg

Division Assigned: **Environmental Response Division** 

**B8 AERO FOIL INTERNATIONAL** RCRA-SQG 1920 PORT CITY BOULEVARD **FSF FINDS** 

1/8-1/4 MUSKEGON, MI 49442 0.164 mi.

865 ft. Site 2 of 2 in cluster B

RCRA-SQG: Relative:

Date form received by agency: 03/25/2010 Equal

Facility name: AERO FOIL INTERNATIONAL Facility address: 1920 PORT CITY BLVD

Actual: 633 ft. MUSKEGON, MI 49442

EPA ID: MID006030456

Contact: DON CURTIS Contact address: 1920 PORT CITY BLVD

MUSKEGON, MI 49442

Contact country: US

Contact telephone: (231) 773-0200 1000291950

MID006030456

Direction Distance

Elevation Site Database(s) EPA ID Number

## **AERO FOIL INTERNATIONAL (Continued)**

1000291950

**EDR ID Number** 

Contact email: Not reported

EPA Region: 05 Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: STEPHEN KUTCHES

Owner/operator address:

Not reported
Not reported
Owner/operator country:

Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Operator Type:
Owner

Owner/Operator Type: Owner
Owner/Op start date: 01/20/2007
Owner/Op end date: Not reported

Owner/operator name: STEPHEN KUTCHES

Owner/operator address: Not reported

Not reported

Owner/operator country:
Owner/operator telephone:
Legal status:
Owner/Operator Type:
Owner/Op start date:
Owner/Op end date:
Not reported
Private
Operator
Operator
Operator
Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No No Furnace exemption: Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

#### Historical Generators:

Date form received by agency: 03/04/2009

Facility name: AERO FOIL INTERNATIONAL Classification: Small Quantity Generator

Date form received by agency: 04/24/2008

Facility name: AERO FOIL INTERNATIONAL

Classification: Conditionally Exempt Small Quantity Generator

Direction Distance

Elevation Site Database(s) EPA ID Number

## **AERO FOIL INTERNATIONAL (Continued)**

1000291950

**EDR ID Number** 

Date form received by agency: 01/01/2007

Facility name: AERO FOIL INTERNATIONAL Classification: Large Quantity Generator

Date form received by agency: 04/29/2003

Facility name: AERO FOIL INTERNATIONAL

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/19/1989

Facility name: AERO FOIL INTERNATIONAL Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Listing - General
Date violation determined: 12/12/2005
Date achieved compliance: 02/21/2006
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/13/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

**Evaluation Action Summary:** 

Evaluation date: 12/12/2005

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Listing - General Date achieved compliance: 02/21/2006 Evaluation lead agency: State

FINDS:

Registry ID: 110011125442

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **AERO FOIL INTERNATIONAL (Continued)**

1000291950

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

C9 **UNITED PARCEL SERVICE** LUST U000261280 **ESE** 1970 PORT CITY BLVD **UST** N/A

1/8-1/4 MUSKEGON, MI 49442

0.177 mi. 937 ft.

Site 1 of 3 in cluster C

LUST: Relative: Lower

Facility ID: 00019303

STATE OF MICHIGAN Source: Actual: Owner Name: United Parcel Serv 632 ft. Owner Address: 241 E SAGINAW

> Owner City, St, Zip: EAST LANSING, MI 48823

Owner Contact: Not reported (616) 285-1730 Owner Phone:

Country: USA

District: **Grand Rapids District Office** 

Site Name: UPS - Muskegon 43.2173010000 Latitude: Longitude: -86.1955570000 Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100 Accuracy Value Unit: **FEET** Horizontal Data: NAD83 Point Line Area: **POINT** 

Desc Category: Plant Entrance (Freight)

C-0853-90 Leak Number: Release Date: May 15 1990 Substance Released: Not reported Release Status: Closed Release Closed Date: Dec 3 1993

UST:

Facility ID: 00019303 Facility Type: **CLOSED** Latitude: 43.2173010000 Longitude: -86.1955570000 Owner Name: United Parcel Serv Owner Address: 241 E SAGINAW

Owner City, St, Zip: EAST LANSING, MI 48823

Owner Country: USA

Not reported Owner Contact: Owner Phone: (616) 285-1730

Contact: JEFFERY W. MC BRIDE

(517) 337-4771 Contact Phone: Date of Collection: 01-11-2001 Accuracy: 100 Accuracy Value Unit: FEET Horizontal Datum: NAD83

STATE OF MICHIGAN Source:

Point Line Area: **POINT** 

Direction Distance

Elevation Site Database(s) EPA ID Number

## **UNITED PARCEL SERVICE (Continued)**

U000261280

**EDR ID Number** 

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID: 2

Tank Status: Removed from Ground

Capacity: 10000
Install Date: Apr 11 1971
Product: Diesel
Remove Date: Mar 1 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID:

Tank Status: Removed from Ground

Capacity: 500

Install Date: Apr 11 1971
Product: Used Oil
Remove Date: Mar 1 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID:

Tank Status: Removed from Ground

Capacity: 10000
Install Date: Apr 11 1971
Product: Gasoline
Remove Date: Mar 1 1990
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Bare Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel, Cathodically Protected Steel

Eklund Development II LLC

Impressed Device: No

C10 1981 PORT CITY BOULEVARD BEA S108084249
ESE 1981 PORT CITY BOULEVARD N/A

1/8-1/4 MUSKEGON, MI 49442

0.180 mi.

950 ft. Site 2 of 3 in cluster C

Relative: BEA:

Lower Secondary Address: Not reported

Submitter Name:

BEA Number: 1882

 Actual:
 District:
 Grand Rapids

 632 ft.
 Date Received:
 7/6/2006 12:59:00 AM

Petition Determination: No Request

Petition Disclosure: 0

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

1981 PORT CITY BOULEVARD (Continued)

S108084249

Category: Different Hazardous Substance(s)

Determination 20107A: No Request monetd Reviewer:

**Environmental Response Division** Division Assigned:

Secondary Address: Not reported BEA Number: 1883

District: **Grand Rapids** 7/6/2006 12:59:00 AM Date Received: Submitter Name: Fleet Engineers Inc

Petition Determination: No Request

Petition Disclosure:

Category: Different Hazardous Substance(s)

Determination 20107A: No Request Reviewer: monetd

Division Assigned: **Environmental Response Division** 

C11 THERM O DISC MIDWEST COMPONENTS PROD GRP **RCRA-NonGen** 1000364692 **FINDS** MID020886826

1981 PORT CITY BLVD MUSKEGON, MI 49442 **MANIFEST** 

1/8-1/4 0.180 mi.

**FSF** 

950 ft. Site 3 of 3 in cluster C

Contact:

RCRA-NonGen: Relative:

Date form received by agency: 03/01/2004 Lower

THERM O DISC MIDWEST COMPONENTS PROD GRP Facility name:

Actual: Facility address: 1981 PORT CITY BLVD

632 ft.

MUSKEGON, MI 49442

MID020886826 EPA ID: 851 E PORTER ROAD

Mailing address: MUSKEGON, MI 49441

JEFFREY T KLEIN

Contact address: Not reported

Not reported Contact country: Not reported

Contact telephone: (231) 799-4133 Telephone ext.: 133

Contact email: Not reported

EPA Region: 05 Land type: Private Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported Not reported Not reported Owner/operator country:

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 03/25/2003 Owner/Op end date: Not reported

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

#### THERM O DISC MIDWEST COMPONENTS PROD GRP (Continued)

1000364692

**EDR ID Number** 

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/25/2003
Owner/Op end date: Not reported

Owner/operator name: THERM-O-DISC INC

Owner/operator address: Not reported

Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/29/1988
Owner/Op end date: Not reported

Owner/operator name: EMERSON ELECTRIC CORP

Owner/operator address: Not reported Not reported

Owner/operator country: US

Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 07/29/1988 Owner/Op end date: Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

#### Historical Generators:

Date form received by agency: 02/26/2004

Facility name: THERM O DISC MIDWEST COMPONENTS PROD GRP

Classification: Not a generator, verified

Date form received by agency: 04/07/2003

Facility name: THERM O DISC MIDWEST COMPONENTS PROD GRP

Classification: Not a generator, verified

Date form received by agency: 03/01/2003

Facility name: THERM O DISC MIDWEST COMPONENTS PROD GRP

Classification: Large Quantity Generator

Direction Distance

Elevation Site Database(s) EPA ID Number

#### THERM O DISC MIDWEST COMPONENTS PROD GRP (Continued)

1000364692

**EDR ID Number** 

Date form received by agency: 12/17/2002

Facility name: THERM O DISC MIDWEST COMPONENTS PROD GRP

Classification: Large Quantity Generator

Date form received by agency: 01/04/1996

Facility name: THERM O DISC MIDWEST COMPONENTS PROD GRP

Classification: Small Quantity Generator

Date form received by agency: 02/25/1994

Facility name: THERM O DISC MIDWEST COMPONENTS PROD GRP Site name: THERM-O-DISC, MIDWEST COMPONENTS PROD GP

Classification: Large Quantity Generator

Date form received by agency: 02/24/1992

Facility name: THERM O DISC MIDWEST COMPONENTS PROD GRP Site name: THERMODISC/MIDWEST COMPONENTS PRODUCT GR

Classification: Large Quantity Generator

Date form received by agency: 02/26/1990

Facility name: THERM O DISC MIDWEST COMPONENTS PROD GRP Site name: THERM-O-DISC/MIDWEST COMPONENTS PRODUCT

Classification: Large Quantity Generator

Date form received by agency: 08/24/1980

Facility name: THERM O DISC MIDWEST COMPONENTS PROD GRP

Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 12/13/1989
Date achieved compliance: 04/05/1990
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/27/1989
Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 12/13/1989
Date achieved compliance: 04/05/1990

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

#### THERM O DISC MIDWEST COMPONENTS PROD GRP (Continued)

1000364692

**EDR ID Number** 

Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 12/27/1989 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: 0 Final penalty amount: 0 Paid penalty amount: 0

Regulation violated: Not reported Generators - General Area of violation:

12/03/1987 Date violation determined: Date achieved compliance: 02/09/1988 Violation lead agency: State

Enforcement action date:

Enforcement action: WRITTEN INFORMAL 12/14/1987

Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: 0 Final penalty amount: 0 Paid penalty amount:

Regulation violated: Not reported Area of violation: Generators - General

Date violation determined: 12/11/1985 Date achieved compliance: 05/14/1986 Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

01/10/1986 Enforcement action date: Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: 0 Final penalty amount: 0 Paid penalty amount: 0

**Evaluation Action Summary:** 

Evaluation date: 05/29/2002

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

12/18/1995 Evaluation date:

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 03/14/1990

COMPLIANCE SCHEDULE EVALUATION Evaluation:

Area of violation: Not reported Not reported Date achieved compliance: Evaluation lead agency: State

Direction Distance

Elevation Site Database(s) EPA ID Number

## THERM O DISC MIDWEST COMPONENTS PROD GRP (Continued)

1000364692

**EDR ID Number** 

Evaluation date: 12/13/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: LDR - General Date achieved compliance: 04/05/1990 Evaluation lead agency: State

Evaluation date: 12/13/1989

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 04/05/1990 Evaluation lead agency: State

Evaluation date: 02/08/1988

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
Not reported
State

Evaluation date: 12/08/1987

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 12/03/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 02/09/1988 Evaluation lead agency: State

Evaluation date: 10/29/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:
Date achieved compliance:
Evaluation lead agency:
Not reported
State

Evaluation date: 12/11/1985

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 05/14/1986 Evaluation lead agency: State

FINDS:

Registry ID: 110000410886

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

MAP FINDINGS Map ID

Direction Distance Elevation

Site Database(s) **EPA ID Number** 

#### THERM O DISC MIDWEST COMPONENTS PROD GRP (Continued)

1000364692

**EDR ID Number** 

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MANIFEST:

**GEN Cert Date:** 7/19/1988 Transporter Recpt Date: Not reported

Number Of Containers:

Manifest Docket Number:

Container Type: Not reported Waste Code1: F009 Waste Code2: Not reported Not reported Waste Code3: Comment: Not reported Fee Exempt Code: Not reported OMI INT'L TSDF Name: TSDF ID: RID000636472 TSDF Date: Not reported Date Imported: Not reported Transporter 2 Name: Not reported Transporter 2 ID: Not reported

RIA0015403 Waste Description: CYANIDE Quantity: 105 G WT/Vol Units: Item Number: **APTUS** Transporter Name: MND980791321 Transporter EPA ID: **GEN Cert Date:** 7/19/1988 Transporter Recpt Date: Not reported Transporter 2 Recpt Date: Not reported TSDF Recpt Date: Not reported MID020886826 EPA ID: Transporter 2 ID: Not reported

Manifest Docket Number: RIA0015394 Waste Description: CYANIDE LIQ

Quantity: 100 WT/Vol Units: G Item Number:

**APTUS** Transporter Name:

MND980791321 Transporter EPA ID: **GEN Cert Date:** 1/12/1988 Transporter Recpt Date: Not reported Transporter 2 Recpt Date: Not reported TSDF Recpt Date: Not reported MID020886826 EPA ID: Transporter 2 ID: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

D12 MUSKEGON CO-OP FED CREDIT UNION LUST U001148135 ENE 1920 E LAKETON AVE UST N/A

ENE 1920 E LAKETON AVE 1/8-1/4 MUSKEGON, MI 49442

0.185 mi.

975 ft. Site 1 of 3 in cluster D

Relative: LUST: Higher Fac

Facility ID: 00036733

Source: STATE OF MICHIGAN

Actual: Owner Name: Muskegon Coop Fed Credit Union 636 ft. Owner Address: 1051 Pack StRoy 569

Owner Address: 1051 Peck StBox 569
Owner City,St,Zip: Muskegon, MI 49443
Owner Contact: Not reported

Owner Contact: Not reported Owner Phone: (616) 726-4874

Country: USA

District: Grand Rapids District Office
Site Name: Muskegon Coop Credit Union

Latitude: 43.2197290000 Longitude: -86.1965910000 Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number: C-1273-92
Release Date: Jul 28 1992
Substance Released: Unknown
Release Status: Open
Release Closed Date: Not reported

UST:

 Facility ID:
 00036733

 Facility Type:
 CLOSED

 Latitude:
 43.2197290000

 Longitude:
 -86.1965910000

Owner Name: Muskegon Coop Fed Credit Union

Owner Address: 1051 Peck StBox 569 Owner City, St, Zip: Muskegon, MI 49443

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 726-4874
Contact: RONALD W MORAN
Contact Phone: (616) 726-4874
Date of Collection: 01-11-2001
Accuracy: 100

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID: 1

Tank Status: Removed from Ground

Capacity: 3000
Install Date: Not reported
Product: Used Oil

**EDR ID Number** 

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

#### MUSKEGON CO-OP FED CREDIT UNION (Continued)

U001148135

Remove Date: Aug 25 1992
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

13 COCA-COLA BOTTLING CO OF MI.

LUST U000261257 UST N/A

South 1 1/8-1/4 M 0.188 mi. 990 ft.

1770 E KEATING AVE MUSKEGON, MI 49442

Relative: LUST: Lower Facility

Facility ID: 00018778

Source: STATE OF MICHIGAN

Actual: Owner Name: Coca-Cola Ent 632 ft. Owner Address: 9770 Patusent

Owner Address: 9770 Patuxent Woods Dr Owner City,St,Zip: Columbia, MD 21046-1526

Owner Contact: Not reported
Owner Phone: (410) 290-3033

Country: USA

District: Grand Rapids District Office
Site Name: Coca-cola Enterprises
Latitude: 43.2162600000
Longitude: -86.1972630000
Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Data: NAD83
Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Leak Number:C-0202-90Release Date:Jan 31 1990Substance Released:Not reportedRelease Status:ClosedRelease Closed Date:May 25 1993

UST:

 Facility ID:
 00018778

 Facility Type:
 CLOSED

 Latitude:
 43.2162600000

 Longitude:
 -86.1972630000

 Owner Name:
 Coca-Cola Ent

Owner Address: 9770 Patuxent Woods Dr Owner City,St,Zip: Columbia, MD 21046-1526

NAD83

Owner Country: USA Owner Contact: Not reported (410) 290-3033 Owner Phone: JOE POPIEL Contact: Contact Phone: (616) 773-3367 Date of Collection: 01-11-2001 100 Accuracy: Accuracy Value Unit: **FEET** 

Horizontal Datum:

Direction Distance

Elevation Site Database(s) EPA ID Number

## COCA-COLA BOTTLING CO OF MI. (Continued)

U000261257

**EDR ID Number** 

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 10000
Install Date: Apr 21 1976
Product: Gasoline
Remove Date: Jun 17 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 2

Tank Status: Removed from Ground

Capacity: 4000
Install Date: Apr 21 1973
Product: Diesel
Remove Date: Jun 17 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID:

Tank Status: Removed from Ground

Capacity: 4000
Install Date: Apr 21 1973
Product: Diesel
Remove Date: Jun 17 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Unknown
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

E14 FLEET ENGINEERS INC RCRA-CESQG 1000223465
South 1800 KEATING AVE MID006411029

1/8-1/4 MUSKEGON, MI 49442

0.188 mi.

994 ft. Site 1 of 2 in cluster E

Relative: RCRA-CESQG:

**Equal** Date form received by agency: 12/26/2006

Facility name: FLEET ENGINEERS INC

Actual: Facility address: 1800 KEATING AVE

633 ft. MUSKEGON, MI 49442

EPA ID: MID006411029

Direction Distance Elevation

Site Database(s) EPA ID Number

## FLEET ENGINEERS INC (Continued)

Contact country:

1000223465

**EDR ID Number** 

Contact: GARY REZNY
Contact address: 1800 KEATING AVE
MUSKEGON, MI 49442

US

Contact telephone: (231) 777-2537 Contact email: Not reported

EPA Region: 05 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: FLEET ENGINEERS INC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/15/1980
Owner/Op end date: Not reported

Owner/operator name: FLEET ENGINEERS INC

Owner/operator address: Not reported

Not reported

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Operator

Operator

Or/15/1980

Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No

Direction Distance

Elevation Site Database(s) EPA ID Number

## FLEET ENGINEERS INC (Continued)

1000223465

**EDR ID Number** 

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

**Historical Generators:** 

Date form received by agency: 03/21/2006

Facility name: FLEET ENGINEERS INC Classification: Large Quantity Generator

Date form received by agency: 08/23/1996

Facility name: FLEET ENGINEERS INC

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/15/1980

Facility name: FLEET ENGINEERS INC

Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - General Date violation determined: 01/05/1987

Date achieved compliance: 04/06/1987 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 01/07/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0

Final penalty amount: 0 Paid penalty amount: 0

**Evaluation Action Summary:** 

Evaluation date: 11/30/2010

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 08/20/1996

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

#### FLEET ENGINEERS INC (Continued)

1000223465

Evaluation lead agency: State

04/06/1987 Evaluation date:

COMPLIANCE SCHEDULE EVALUATION Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

01/05/1987 Evaluation date:

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Generators - General

04/06/1987 Date achieved compliance: Evaluation lead agency: State

D15 **WILKIE CO** RCRA-CESQG 1004722603 **FINDS** MID006016463

**ENE** 2281 PORT CITY BLVD MUSKEGON, MI 49442 1/8-1/4

0.190 mi.

Site 2 of 3 in cluster D 1003 ft.

RCRA-CESQG: Relative:

Date form received by agency: 03/23/1990 Higher

Facility name: WILKIE CO Actual: Facility address: 2281 PORT CITY BLVD

636 ft.

MUSKEGON, MI 49442

EPA ID: MID006016463 Contact:

DOUGLAS HARTMAN Contact address: 2281 PORT CITY BLVD MUSKEGON, MI 49442

Contact country: US

Contact telephone: (231) 777-3911 Contact email: Not reported EPA Region: 05

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

WALTER WILKIE Owner/operator name: Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator

Distance
Elevation Site Database(s)

Not reported

WILKIE CO (Continued) 1004722603

Owner/Op start date: 03/23/1990 Owner/Op end date: Not reported

Owner/operator name: WALTER WILKIE
Owner/operator address: Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/23/1990
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: Nο Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

**Evaluation Action Summary:** 

Evaluation date: 03/20/2003

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

FINDS:

Registry ID: 110003583391

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

**EDR ID Number** 

**EPA ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

WILKIE CO (Continued) 1004722603

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

D16 ALLOY RESOURCE CORP AIRS \$106802513
ENE 2281 PORT CITY BOULEVARD BEA N/A

1/8-1/4 0.190 mi.

1003 ft. Site 3 of 3 in cluster D

MUSKEGON, MI 49942

Relative: AIRS

Higher State Registration Number: N7888
Naics Code: Not reported
Actual: Contact Name: DOUG JULIEN
636 ft. Contact Phone: 2317773941

Contact Address: ALLOY RESOURCE CORP
Contact Address 2: 2281 PORT CITY BOULEVARD

Contact City,St,Zip: MUSKEGON, MI 49942 Permit Number: 340-07A

Date Received: 11/5/2009
State Registration Number: N7888
Country: Not reported

Application Reason: REVERBATORY FURNACE

Record Type:

State County FIPS:

Facility Category:

SIC Primary:

Tribal Code:

El Year:

Not reported

Not reported

Not reported

Not reported

Not reported

BEA:

Secondary Address: Not reported BEA Number: 1591 District: Grand Rapids

Date Received: 3/14/2005 12:59:00 AM

Submitter Name: Essex Property Management LLC

Petition Determination: No Request

Petition Disclosure: 0

Category: Different Hazardous Substance(s)

Determination 20107A: No Request Reviewer: heytg

Division Assigned: Environmental Response Division

E17 ADAC PLASTICS RCRA-LQG 1004725513
South 1801 E KEATING AVE FINDS MIR000046508

1/8-1/4 MUSKEGON, MI 49442

0.190 mi.

1005 ft. Site 2 of 2 in cluster E

Relative: RCRA-LQG:

**Lower** Date form received by agency: 03/10/2010

Facility name: ADAC PLASTICS

Actual: Facility address: 1801 E KEATING AVE

**632 ft.** MUSKEGON, MI 49442

**EDR ID Number** 

Map ID MAP FINDINGS
Direction

Distance Elevation

evation Site Database(s) EPA ID Number

**ADAC PLASTICS (Continued)** 

1004725513

**EDR ID Number** 

EPA ID: MIR000046508

Mailing address: 2050 PORT CITY BLVD

MUSKEGON, MI 49442

Contact: JAKE M RUPERT Contact address: Not reported

Not reported Not reported

Contact country: Not reported
Contact telephone: (231) 777-2645

Telephone ext.: 5733
Contact email: Not reported

EPA Region: 05 Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: ADAC AUTOMOTIVE KEATING AVE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator

Owner/Operator Type: Operator
Owner/Op start date: 06/24/1999
Owner/Op end date: Not reported

Owner/operator name: KEATING ASSOCIATES LLC

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 06/03/2003 Owner/Op end date: Not reported

Owner/operator name: ADAC PLASTICS INC

Owner/operator address: Not reported

Not reported

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner
Owner/Op start date: 06/24/1999
Owner/Op end date: Not reported

Distance

Elevation Site Database(s) EPA ID Number

ADAC PLASTICS (Continued) 1004725513

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: Nο Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

**Historical Generators:** 

Date form received by agency: 03/10/2010
Facility name: ADAC PLASTICS

Classification: Large Quantity Generator

Date form received by agency: 03/27/2009
Facility name: ADAC PLASTICS

Classification: Large Quantity Generator

Date form received by agency: 03/05/2008
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 03/01/2008
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 04/23/2007
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 03/01/2006
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 02/24/2006
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 05/16/2005
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 04/28/2005
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 03/01/2004
Facility name: ADAC PLASTICS

Direction Distance

Elevation Site Database(s) EPA ID Number

**ADAC PLASTICS (Continued)** 

1004725513

**EDR ID Number** 

Site name: ADAC DOOR COMPONENTS
Classification: Large Quantity Generator

Date form received by agency: 03/01/2004
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 04/29/2003
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 03/01/2002
Facility name: ADAC PLASTICS
Site name: ADAC PLASTICS INC
Classification: Large Quantity Generator

Date form received by agency: 02/28/2002
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 11/30/2000
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency:11/06/2000
Facility name: ADAC PLASTICS
Classification: Large Quantity Generator

Date form received by agency: 05/24/2000
Facility name: ADAC PLASTICS
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D035

Waste name: METHYL ETHYL KETONE

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Direction Distance

Elevation Site Database(s) EPA ID Number

**ADAC PLASTICS (Continued)** 

1004725513

**EDR ID Number** 

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: U159

Waste name: 2-BUTANONE (I,T)

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 153679.7

Waste code: D035

Waste name: METHYL ETHYL KETONE

Amount (Lbs): 134962.6

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Amount (Lbs): 153679.7

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

Direction Distance

Elevation Site Database(s) EPA ID Number

### **ADAC PLASTICS (Continued)**

1004725513

**EDR ID Number** 

ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 150484.1

Waste code: U159

Waste name: 2-BUTANONE (I,T)

Amount (Lbs): 132.8

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 03/18/2008
Date achieved compliance: 04/23/2008
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 03/18/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General

Date violation determined: 11/30/2000
Date achieved compliance: 12/21/2000
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported

Area of violation: Used Oil - Generators

Date violation determined: 11/30/2000
Date achieved compliance: 12/21/2000
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/04/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

**Evaluation Action Summary:** 

Evaluation date: 03/18/2008

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

**ADAC PLASTICS (Continued)** 

Area of violation: Generators - Pre-transport

04/23/2008 Date achieved compliance: Evaluation lead agency: State

Evaluation date: 09/28/2004

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 11/30/2000

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 12/21/2000 Evaluation lead agency: State

11/30/2000 Evaluation date:

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Used Oil - Generators

Date achieved compliance: 12/21/2000 Evaluation lead agency: State

FINDS:

Registry ID: 110003714614

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

**CITY OF MUSKEGON SCHOOLS** F18 RCRA-CESQG West **1854 INDUSTRIAL BLVD** 1/8-1/4 MUSKEGON, MI 49442

0.191 mi.

1008 ft. Site 1 of 2 in cluster F

RCRA-CESQG: Relative:

Date form received by agency: 04/06/2001 Higher

Facility name: CITY OF MUSKEGON SCHOOLS

Actual: Facility address: 1854 INDUSTRIAL BLVD 635 ft. MUSKEGON, MI 49442

> EPA ID: MID985570381 Mailing address: 1309 SANFORD ST MUSKEGON, MI 49441 Contact: DAVID BECKMANN

Contact address: 1854 INDUSTRIAL BLVD MUSKEGON, MI 49442

Contact country: US

Contact telephone: (231) 722-9689 Contact email: Not reported

EPA Region: 05 Land type: District

Conditionally Exempt Small Quantity Generator Classification:

1000268448

MID985570381

FINDS

**EDR ID Number** 

1004725513

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

### CITY OF MUSKEGON SCHOOLS (Continued)

1000268448

**EDR ID Number** 

Description: Handler: generates 100 kg or less of hazardous waste per calendar

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Owner/operator name: CITY OF MUSKEGON PUBLIC SCHOOLS

Owner/operator address: Not reported

Not reported

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner/Op start date:

Owner/Op end date:

Not reported

District

Operator

Operator

Othor/1901

Not reported

Owner/operator name: CITY OF MUSKEGON PUBLIC SCHOOLS

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: District Owner/Operator Type: Owner Owner/Op start date: 01/01/1901 Owner/Op end date: Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: Nο Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

# Historical Generators:

Date form received by agency: 01/10/2001

Facility name: CITY OF MUSKEGON SCHOOLS

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### CITY OF MUSKEGON SCHOOLS (Continued)

1000268448

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/06/1989

CITY OF MUSKEGON SCHOOLS Facility name:

Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

> LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

**Evaluation Action Summary:** 

Evaluation date: 12/13/2000

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

FINDS:

Registry ID: 110003635754

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

F19 THE PUB SCHOOLS CITY OF MUSKEGON UST U003328018 West 1854 INDUSTRIAL BLVD. N/A

1/8-1/4 MUSKEGON, MI 49440 0.191 mi.

1008 ft. Site 2 of 2 in cluster F

UST: Relative:

Facility ID: 00007030 Higher Facility Type: CLOSED Actual: Latitude: 43.2188830000 635 ft. Longitude: -86.2020280000

> Owner Name: Public School/City Of Muskegon

Owner Address: 349 W Webster Ave Owner City, St, Zip: Muskegon, MI 49440-1208

Owner Country: USA Owner Contact: Not reported Owner Phone: (616) 773-9196 Contact: **GARY PRIVASKY** (616) 722-1602 Contact Phone:

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## THE PUB SCHOOLS CITY OF MUSKEGON (Continued)

U003328018

Date of Collection: 01-11-2001 100 Accuracy: Accuracy Value Unit: FEET Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: **POINT** 

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 520 Mar 7 1971 Install Date: Product: Gasoline Remove Date: Jan 1 1989 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Piping Type: Not reported Constr Material: Unknown Impressed Device: No

ADAC AUTOMOTIVE INC **MANIFEST S109151257** 20 SE 2050 PORT CITY BLVD N/A

1/8-1/4 0.212 mi. 1120 ft.

WI MANIFEST: Relative:

07 Year: Lower

MUSKEGON, MI 49442

EPA ID: MID049239171 Actual: FID: 999919250 631 ft. ACT Code: 201 ACT Status: Α

ACT Code 1: 201

ACT Name: HW Generator - Large

Contact First Name: Not reported Not reported Contact Last Name: Contact Title: Not reported

2084 LATIMER DRIVE Contact Address:

Contact State: МІ

Contact City: MUSKEGON Contact Zip: 49442 Contact Telephone: 6167772645 Contact Extention: Not reported Contact Email Address: Not reported

WI MANIFEST SHIP:

001074350GBF Manifest DOC ID: Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/23/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074350GBF

Waste Page No: 1 Waste Line No: 1

Direction Distance Elevation

on Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

Waste Code: F005
Waste Amount: 770
Unit of Measure: G
Waste LBS: 6421.8

Manifest DOC ID: 001074351GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/25/2009 TSD Date: 09/28/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074351GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 495
Unit of Measure: G
Waste LBS: 4128.3

Manifest DOC ID: 001074372GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 09/23/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074372GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 385

 Unit of Measure:
 G

 Waste LBS:
 3210.9

Manifest DOC ID: 001073635GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 12/23/2009 TSD Date: 12/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001073635GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 110
Unit of Measure: G
Waste LBS: 917.4

 Manifest DOC ID:
 001074115GBF

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 MID049239171

 Gen Date:
 11/04/2009

S109151257

Direction Distance Elevation

tion Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

TSD Date: 11/10/2009
TSD EPA ID: WID023350192
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 01/21/2010
Manifest DOC ID: 001074115GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 275

 Unit of Measure:
 G

 Waste LBS:
 2293.5

Manifest DOC ID: 001074116GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 11/06/2009 TSD Date: 11/10/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074116GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1

Manifest DOC ID: 001074113GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 11/04/2009 TSD Date: 11/09/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074113GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 495

 Unit of Measure:
 G

 Waste LBS:
 4128.3

Manifest DOC ID: 001074114GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 11/06/2009 TSD Date: 11/09/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074114GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 220

S109151257

Direction Distance Elevation

tion Site Database(s) EPA ID Number

# ADAC AUTOMOTIVE INC (Continued)

Unit of Measure: G Waste LBS: 1834.8

Manifest DOC ID: 000406798GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 01/14/2009 TSD Date: 01/19/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/13/2009 Manifest DOC ID: 000406798GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 385

 Unit of Measure:
 G

 Waste LBS:
 3210.9

Manifest DOC ID: 000406799GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 01/28/2009 TSD Date: 02/02/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/13/2009 Manifest DOC ID: 000406799GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 880

 Unit of Measure:
 G

 Waste LBS:
 7339.2

Manifest DOC ID: 001074373GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 09/25/2009 09/28/2009 TSD Date: TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074373GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1

 Manifest DOC ID:
 000830110GBF

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 MID049239171

 Gen Date:
 09/09/2009

 TSD Date:
 09/14/2009

 TSD EPA ID:
 WID023350192

S109151257

Direction Distance Elevation

n Site Database(s) EPA ID Number

## ADAC AUTOMOTIVE INC (Continued)

GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 000830110GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 550

 Unit of Measure:
 G

 Waste LBS:
 4587

Manifest DOC ID: 000830854GBF **TSDCOPY** Copy Type: MID049239171 Gen EPA ID: Gen Date: 02/20/2009 TSD Date: 02/26/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830854GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 495

 Unit of Measure:
 G

 Waste LBS:
 4128.3

Manifest DOC ID: 000830856GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/27/2009 TSD Date: 03/03/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/24/2009 000830856GBF Manifest DOC ID:

Waste Page No: 1
Waste Line No: 1
Waste Code: F003
Waste Amount: 495
Unit of Measure: G
Waste LBS: 4128.3

Manifest DOC ID: 000830857GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 03/11/2009 TSD Date: 03/16/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/24/2009 Manifest DOC ID: 000830857GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 605

 Unit of Measure:
 G

 Waste LBS:
 5045.7

S109151257

Direction Distance Elevation

n Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

Manifest DOC ID: 000830858GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 03/13/2009 TSD Date: 03/18/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 04/21/2009 Manifest DOC ID: 000830858GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 220

 Unit of Measure:
 G

 Waste LBS:
 1834.8

Manifest DOC ID: 000830850GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 02/04/2009 TSD Date: 02/09/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/25/2009 000830850GBF Manifest DOC ID:

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 660
Unit of Measure: G
Waste LBS: 5504.4

Manifest DOC ID: 000830851GBF Copy Type: **TSDCOPY** MID049239171 Gen EPA ID: 02/11/2009 Gen Date: TSD Date: 02/13/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/25/2009 000830851GBF Manifest DOC ID:

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 1265

 Unit of Measure:
 G

 Waste LBS:
 10550.1

Manifest DOC ID: 000830852GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 02/13/2009 02/18/2009 TSD Date: TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830852GBF S109151257

Direction Distance Elevation

EDR ID Number

n Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

S109151257

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 385
Unit of Measure: G
Waste LBS: 3210.9

Manifest DOC ID: 000830853GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 02/18/2009 Gen Date: TSD Date: 02/26/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830853GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 550
Unit of Measure: G
Waste LBS: 4587

WI MANIFEST SHIP: Has 314 more record(s) for this section. Please contact your EDR

Account Executive for more information

WI MANIFEST TRANS: -

Mifest DOC ID: Not reported TRAN EPA ID: Not reported TRAN ORDER NO: Not reported TRAN Date: Not reported

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 09

EPA ID: MID049239171
FID: 999919250
ACT Code: 201
ACT Status: A
ACT Code 1: 201

ACT Name: HW Generator - Large

Contact First Name: Not reported Contact Last Name: Not reported Contact Title: Not reported

Contact Address: 2084 LATIMER DRIVE

Contact State: MI

Contact City: MUSKEGON
Contact Zip: 49442
Contact Telephone: 6167772645
Contact Extention: Not reported
Contact Email Address: Not reported

Direction
Distance
Elevation

Site Database(s) EPA ID Number

## ADAC AUTOMOTIVE INC (Continued)

S109151257

**EDR ID Number** 

WI MANIFEST SHIP:

001074350GBF Manifest DOC ID: **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 09/23/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074350GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 770

 Unit of Measure:
 G

 Waste LBS:
 6421.8

Manifest DOC ID: 001074351GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/25/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074351GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 495

 Unit of Measure:
 G

 Waste LBS:
 4128.3

Manifest DOC ID: 001074372GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/23/2009 TSD Date: 09/28/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074372GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 385

 Unit of Measure:
 G

 Waste LBS:
 3210.9

 Manifest DOC ID:
 001073635GBF

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 MID049239171

 Gen Date:
 12/23/2009

 TSD Date:
 12/28/2009

 TSD EPA ID:
 WID023350192

 GEN Copy Revd Date:
 Not reported

 TSG Copy Revd Date:
 01/21/2010

Direction Distance Elevation

ation Site Database(s) EPA ID Number

## ADAC AUTOMOTIVE INC (Continued)

Manifest DOC ID: 001073635GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 110
Unit of Measure: G
Waste LBS: 917.4

Manifest DOC ID: 001074115GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 11/04/2009 TSD Date: 11/10/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported 01/21/2010 TSG Copy Revd Date: Manifest DOC ID: 001074115GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 275

 Unit of Measure:
 G

 Waste LBS:
 2293.5

Manifest DOC ID: 001074116GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 11/06/2009 TSD Date: 11/10/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074116GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 165

 Unit of Measure:
 G

 Waste LBS:
 1376.1

Manifest DOC ID: 001074113GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 11/04/2009 TSD Date: 11/09/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074113GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 495
Unit of Measure: G
Waste LBS: 4128.3

Manifest DOC ID: 001074114GBF

S109151257

Direction Distance Elevation

Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

Copy Type: TSDCOPY
Gen EPA ID: MID049239171
Gen Date: 11/06/2009
TSD Date: 11/09/2009
TSD EPA ID: WID023350192
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 01/21/2010
Manifest DOC ID: 001074114GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 220

 Unit of Measure:
 G

 Waste LBS:
 1834.8

Manifest DOC ID: 000406798GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 01/14/2009 01/19/2009 TSD Date: TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/13/2009 Manifest DOC ID: 000406798GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 385

 Unit of Measure:
 G

 Waste LBS:
 3210.9

Manifest DOC ID: 000406799GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 01/28/2009 TSD Date: 02/02/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/13/2009 000406799GBF Manifest DOC ID:

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 880

 Unit of Measure:
 G

 Waste LBS:
 7339.2

Manifest DOC ID: 001074373GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/25/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074373GBF

Waste Page No:

S109151257

Direction Distance Elevation

ation Site Database(s) EPA ID Number

# ADAC AUTOMOTIVE INC (Continued)

S109151257

**EDR ID Number** 

Waste Line No: 1
Waste Code: F005
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1

Manifest DOC ID: 000830110GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/09/2009 TSD Date: 09/14/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 000830110GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 550
Unit of Measure: G
Waste LBS: 4587

Manifest DOC ID: 000830854GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/20/2009 TSD Date: 02/26/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830854GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 495
Unit of Measure: G
Waste LBS: 4128.3

Manifest DOC ID: 000830856GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/27/2009 TSD Date: 03/03/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/24/2009 Manifest DOC ID: 000830856GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F003
Waste Amount: 495
Unit of Measure: G
Waste LBS: 4128.3

 Manifest DOC ID:
 000830857GBF

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 MID049239171

Direction Distance Elevation

tion Site Database(s) EPA ID Number

## ADAC AUTOMOTIVE INC (Continued)

Gen Date: 03/11/2009
TSD Date: 03/16/2009
TSD EPA ID: WID023350192
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 03/24/2009
Manifest DOC ID: 000830857GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 605

 Unit of Measure:
 G

 Waste LBS:
 5045.7

Manifest DOC ID: 000830858GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 03/13/2009 TSD Date: 03/18/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 04/21/2009 000830858GBF Manifest DOC ID:

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 220
Unit of Measure: G
Waste LBS: 1834.8

Manifest DOC ID: 000830850GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 02/04/2009 TSD Date: 02/09/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/25/2009 Manifest DOC ID: 000830850GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 660
Unit of Measure: G
Waste LBS: 5504.4

Manifest DOC ID: 000830851GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/11/2009 TSD Date: 02/13/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/25/2009 Manifest DOC ID: 000830851GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005

S109151257

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

S109151257

Waste Amount: 1265
Unit of Measure: G
Waste LBS: 10550.1

Manifest DOC ID: 000830852GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/13/2009 TSD Date: 02/18/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830852GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 385
Unit of Measure: G
Waste LBS: 3210.9

Manifest DOC ID: 000830853GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/18/2009 TSD Date: 02/26/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830853GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 550
Unit of Measure: G
Waste LBS: 4587

WI MANIFEST SHIP: Has 314 more record(s) for this section. Please contact your EDR

Account Executive for more information

WI MANIFEST TRANS: -

Mifest DOC ID: Not reported TRAN EPA ID: Not reported TRAN ORDER NO: Not reported TRAN Date: Not reported

Manifest DOC ID: Not reported Waste Page No: Not reported Waste Line No: Not reported Waste Code: Not reported Waste Amount: Not reported Unit of Measure: Not reported Waste LBS: Not reported

Year: 10

EPA ID: MID049239171 FID: 999919250

ACT Code: 201

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

ACT Status: A
ACT Code 1: 201

ACT Name: HW Generator - Large

Contact First Name: Not reported Contact Last Name: Not reported Contact Title: Not reported

Contact Address: 2084 LATIMER DRIVE

Contact State: MI

Contact City: MUSKEGON
Contact Zip: 49442
Contact Telephone: 6167772645
Contact Extention: Not reported
Contact Email Address: Not reported

WI MANIFEST SHIP: -

001074350GBF Manifest DOC ID: Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 09/23/2009 Gen Date: TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074350GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 770

 Unit of Measure:
 G

 Waste LBS:
 6421.8

Manifest DOC ID: 001074351GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/25/2009 09/28/2009 TSD Date: TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 001074351GBF Manifest DOC ID:

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 495

 Unit of Measure:
 G

 Waste LBS:
 4128.3

Manifest DOC ID: 001074372GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/23/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074372GBF

Waste Page No: 1 Waste Line No: 1 S109151257

Direction Distance Elevation

ance EDR ID Number vation Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

Waste Code: F005
Waste Amount: 385
Unit of Measure: G
Waste LBS: 3210.9

Manifest DOC ID: 001073635GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 12/23/2009 TSD Date: 12/28/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001073635GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 110
Unit of Measure: G
Waste LBS: 917.4

Manifest DOC ID: 001074115GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 11/04/2009 TSD Date: 11/10/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074115GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 275

 Unit of Measure:
 G

 Waste LBS:
 2293.5

Manifest DOC ID: 001074116GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 11/06/2009 TSD Date: 11/10/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074116GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1

 Manifest DOC ID:
 001074113GBF

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 MID049239171

 Gen Date:
 11/04/2009

S109151257

Direction Distance Elevation

on Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

TSD Date: 11/09/2009
TSD EPA ID: WID023350192
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 01/21/2010
Manifest DOC ID: 001074113GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 495

 Unit of Measure:
 G

 Waste LBS:
 4128.3

Manifest DOC ID: 001074114GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 11/06/2009 TSD Date: 11/09/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074114GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 220
Unit of Measure: G
Waste LBS: 1834.8

Manifest DOC ID: 000406798GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 01/14/2009 TSD Date: 01/19/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/13/2009 Manifest DOC ID: 000406798GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 385

 Unit of Measure:
 G

 Waste LBS:
 3210.9

Manifest DOC ID: 000406799GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 01/28/2009 TSD Date: 02/02/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/13/2009 Manifest DOC ID: 000406799GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 880

S109151257

Direction
Distance
Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

Unit of Measure: G Waste LBS: 7339.2

Manifest DOC ID: 001074373GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/25/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074373GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1

Manifest DOC ID: 000830110GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/09/2009 TSD Date: 09/14/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 000830110GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 550
Unit of Measure: G
Waste LBS: 4587

Manifest DOC ID: 000830854GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 02/20/2009 02/26/2009 TSD Date: TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 000830854GBF Manifest DOC ID:

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 495

 Unit of Measure:
 G

 Waste LBS:
 4128.3

 Manifest DOC ID:
 000830856GBF

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 MID049239171

 Gen Date:
 02/27/2009

 TSD Date:
 03/03/2009

 TSD EPA ID:
 WID023350192

S109151257

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/24/2009 Manifest DOC ID: 000830856GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F003

 Waste Amount:
 495

 Unit of Measure:
 G

 Waste LBS:
 4128.3

Manifest DOC ID: 000830857GBF **TSDCOPY** Copy Type: MID049239171 Gen EPA ID: Gen Date: 03/11/2009 TSD Date: 03/16/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/24/2009 Manifest DOC ID: 000830857GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 605

 Unit of Measure:
 G

 Waste LBS:
 5045.7

Manifest DOC ID: 000830858GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 03/13/2009 TSD Date: 03/18/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 04/21/2009 Manifest DOC ID: 000830858GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 220
Unit of Measure: G
Waste LBS: 1834.8

Manifest DOC ID: 000830850GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 02/04/2009 TSD Date: 02/09/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/25/2009 Manifest DOC ID: 000830850GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 660

 Unit of Measure:
 G

 Waste LBS:
 5504.4

S109151257

Direction Distance Elevation

tion Site Database(s) EPA ID Number

## ADAC AUTOMOTIVE INC (Continued)

S109151257

**EDR ID Number** 

Manifest DOC ID: 000830851GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/11/2009 TSD Date: 02/13/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/25/2009 Manifest DOC ID: 000830851GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 1265

 Unit of Measure:
 G

 Waste LBS:
 10550.1

Manifest DOC ID: 000830852GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 02/13/2009 TSD Date: 02/18/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830852GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 385
Unit of Measure: G
Waste LBS: 3210.9

Manifest DOC ID: 000830853GBF Copy Type: **TSDCOPY** MID049239171 Gen EPA ID: 02/18/2009 Gen Date: TSD Date: 02/26/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830853GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 550
Unit of Measure: G
Waste LBS: 4587

WI MANIFEST SHIP: Has 314 more record(s) for this section. Please contact your EDR

Account Executive for more information

WI MANIFEST TRANS: -

Mifest DOC ID: Not reported TRAN EPA ID: Not reported TRAN ORDER NO: Not reported TRAN Date: Not reported

Manifest DOC ID: Not reported

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

S109151257

Waste Page No: Not reported Waste Line No: Not reported Waste Code: Not reported Waste Amount: Not reported Unit of Measure: Not reported Waste LBS: Not reported

Year: 08

EPA ID: MID049239171
FID: 999919250
ACT Code: 201

ACT Status: A
ACT Code 1: 201

ACT Name: HW Generator - Large

Contact First Name: Not reported Contact Last Name: Not reported Contact Title: Not reported

Contact Address: 2084 LATIMER DRIVE

Contact State: MI

Contact City: MUSKEGON
Contact Zip: 49442
Contact Telephone: 6167772645
Contact Extention: Not reported
Contact Email Address: Not reported

WI MANIFEST SHIP:

Manifest DOC ID: 001074350GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/23/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074350GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 770
Unit of Measure: G
Waste LBS: 6421.8

Manifest DOC ID: 001074351GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/25/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074351GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 495
Unit of Measure: G
Waste LBS: 4128.3

Direction Distance Elevation

on Site Database(s) EPA ID Number

## ADAC AUTOMOTIVE INC (Continued)

Manifest DOC ID: 001074372GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/23/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 Manifest DOC ID: 001074372GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 385
Unit of Measure: G
Waste LBS: 3210.9

Manifest DOC ID: 001073635GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 12/23/2009 TSD Date: 12/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001073635GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 110
Unit of Measure: G
Waste LBS: 917.4

Manifest DOC ID: 001074115GBF Copy Type: **TSDCOPY** MID049239171 Gen EPA ID: 11/04/2009 Gen Date: TSD Date: 11/10/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074115GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 275

 Unit of Measure:
 G

 Waste LBS:
 2293.5

Manifest DOC ID: 001074116GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 11/06/2009 11/10/2009 TSD Date: TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074116GBF S109151257

Direction Distance Elevation

tion Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

S109151257

**EDR ID Number** 

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1

Manifest DOC ID: 001074113GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 11/04/2009 TSD Date: 11/09/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074113GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 495

 Unit of Measure:
 G

 Waste LBS:
 4128.3

Manifest DOC ID: 001074114GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 11/06/2009 TSD Date: 11/09/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported TSG Copy Revd Date: 01/21/2010 Manifest DOC ID: 001074114GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 220

 Unit of Measure:
 G

 Waste LBS:
 1834.8

Manifest DOC ID: 000406798GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 01/14/2009 TSD Date: 01/19/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/13/2009 Manifest DOC ID: 000406798GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 385
Unit of Measure: G
Waste LBS: 3210.9

Manifest DOC ID: 000406799GBF Copy Type: TSDCOPY

Direction Distance Elevation

Site Database(s) EPA ID Number

### **ADAC AUTOMOTIVE INC (Continued)**

Gen EPA ID: MID049239171
Gen Date: 01/28/2009
TSD Date: 02/02/2009
TSD EPA ID: WID023350192
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 02/13/2009
Manifest DOC ID: 000406799GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 880

 Unit of Measure:
 G

 Waste LBS:
 7339.2

Manifest DOC ID: 001074373GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/25/2009 TSD Date: 09/28/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported 10/19/2009 TSG Copy Revd Date: Manifest DOC ID: 001074373GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 165
Unit of Measure: G
Waste LBS: 1376.1

Manifest DOC ID: 000830110GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 09/09/2009 TSD Date: 09/14/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 10/19/2009 000830110GBF Manifest DOC ID:

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 550
Unit of Measure: G
Waste LBS: 4587

Manifest DOC ID: 000830854GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/20/2009 TSD Date: 02/26/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830854GBF

Waste Page No: 1 Waste Line No: 1 S109151257

Direction Distance Elevation

ration Site Database(s) EPA ID Number

## ADAC AUTOMOTIVE INC (Continued)

S109151257

**EDR ID Number** 

Waste Code: F005
Waste Amount: 495
Unit of Measure: G
Waste LBS: 4128.3

Manifest DOC ID: 000830856GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/27/2009 TSD Date: 03/03/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported 03/24/2009 TSG Copy Revd Date: Manifest DOC ID: 000830856GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F003

 Waste Amount:
 495

 Unit of Measure:
 G

 Waste LBS:
 4128.3

Manifest DOC ID: 000830857GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 03/11/2009 Gen Date: TSD Date: 03/16/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/24/2009 Manifest DOC ID: 000830857GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 605

 Unit of Measure:
 G

 Waste LBS:
 5045.7

Manifest DOC ID: 000830858GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 03/13/2009 TSD Date: 03/18/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 04/21/2009 Manifest DOC ID: 000830858GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 220
Unit of Measure: G
Waste LBS: 1834.8

 Manifest DOC ID:
 000830850GBF

 Copy Type:
 TSDCOPY

 Gen EPA ID:
 MID049239171

 Gen Date:
 02/04/2009

Direction
Distance
Elevation

tion Site Database(s) EPA ID Number

## ADAC AUTOMOTIVE INC (Continued)

TSD Date: 02/09/2009
TSD EPA ID: WID023350192
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 02/25/2009
Manifest DOC ID: 000830850GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 660

 Unit of Measure:
 G

 Waste LBS:
 5504.4

Manifest DOC ID: 000830851GBF Copy Type: **TSDCOPY** Gen EPA ID: MID049239171 Gen Date: 02/11/2009 TSD Date: 02/13/2009 WID023350192 TSD EPA ID: GEN Copy Revd Date: Not reported TSG Copy Revd Date: 02/25/2009 Manifest DOC ID: 000830851GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 1265

 Unit of Measure:
 G

 Waste LBS:
 10550.1

Manifest DOC ID: 000830852GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 02/13/2009 TSD Date: 02/18/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830852GBF

 Waste Page No:
 1

 Waste Line No:
 1

 Waste Code:
 F005

 Waste Amount:
 385

 Unit of Measure:
 G

 Waste LBS:
 3210.9

Manifest DOC ID: 000830853GBF **TSDCOPY** Copy Type: Gen EPA ID: MID049239171 Gen Date: 02/18/2009 TSD Date: 02/26/2009 TSD EPA ID: WID023350192 GEN Copy Revd Date: Not reported TSG Copy Revd Date: 03/11/2009 Manifest DOC ID: 000830853GBF

Waste Page No: 1
Waste Line No: 1
Waste Code: F005
Waste Amount: 550

S109151257

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

## **ADAC AUTOMOTIVE INC (Continued)**

S109151257

1000136347

MID006012181

RCRA-CESQG

**FINDS** 

Unit of Measure: G Waste LBS: 4587

Has 314 more record(s) for this section. Please contact your EDR WI MANIFEST SHIP:

Account Executive for more information

WI MANIFEST TRANS: -

Mifest DOC ID: Not reported TRAN EPA ID: Not reported TRAN ORDER NO: Not reported TRAN Date: Not reported

Manifest DOC ID: Not reported Waste Page No: Not reported Waste Line No: Not reported Waste Code: Not reported Waste Amount: Not reported Not reported Unit of Measure: Waste LBS: Not reported

MID-WEST SPRING AND STAMPING

**ENE** 1935 E LAKETON AVE MUSKEGON, MI 49442 1/8-1/4

0.217 mi. 1147 ft.

21

RCRA-CESQG: Relative:

Date form received by agency: 03/08/2000 Higher

MID-WEST SPRING AND STAMPING Facility name: Actual:

Facility address: 1935 E LAKETON AVE

636 ft.

MUSKEGON, MI 49442

EPA ID: MID006012181 JEFF KAMP Contact:

Contact address: 1935 E LAKETON AVE

MUSKEGON, MI 49442

Contact country:

Contact telephone: (231) 777-2707 Contact email: Not reported

EPA Region: 05 Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from

the cleanup of a spill, into or on any land or water, of acutely

hazardous waste

Owner/Operator Summary:

Direction Distance Elevation

ance EDR ID Number vation Site Database(s) EPA ID Number

## MID-WEST SPRING AND STAMPING (Continued)

1000136347

Owner/operator name: STEPHEN CLEGG
Owner/operator address: Not reported

Owner/operator country:

Owner/operator telephone:

Not reported
Not reported
Not reported

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/14/2000
Owner/Op end date: Not reported

Owner/operator name: STEPHEN CLEGG

Owner/operator address: Not reported Not reported

Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/14/2000
Owner/Op end date: Not reported

#### Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: Nο User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

# Historical Generators:

Date form received by agency: 12/31/1987

Facility name: MID-WEST SPRING AND STAMPING
Classification: Conditionally Exempt Small Quantity Generator

### Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

**Evaluation Action Summary:** 

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

## MID-WEST SPRING AND STAMPING (Continued)

1000136347

LUST

**UST** 

1000951222

N/A

Evaluation date: 03/08/2000

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Not reported Area of violation: Not reported Date achieved compliance: Evaluation lead agency: State

FINDS:

110003583159 Registry ID:

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

corrective action activities required under RCRA.

**G22** PORT CITY DIE CAST **ENE** 1985 E LAKETON AVE 1/4-1/2 MUSKEGON, MI 49442

0.266 mi.

1404 ft. Site 1 of 3 in cluster G

Relative: Higher

LUST:

Facility ID: 00035525

Source: STATE OF MICHIGAN Actual: Owner Name: Port City Die Cast 636 ft. 1985 E Laketon Ave Owner Address: Owner City,St,Zip: Muskegon, MI 49442-6127

Owner Contact: Not reported (616) 777-3941 Owner Phone:

Country: USA

**Grand Rapids District Office** District:

Port City Die Cast Site Name: Latitude: 43.2194660000 Longitude: -86.1952310000 Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100 Accuracy Value Unit: **FEET** Horizontal Data: NAD83 **POINT** Point Line Area:

Desc Category: Plant Entrance (Freight)

Leak Number: C-1946-91 Release Date: Sep 19 1991 Substance Released: Unknown Release Status: Closed Release Closed Date: Mar 26 1993

UST:

Facility ID: 00035525 Facility Type: CLOSED Latitude: 43.2194660000 Longitude: -86.1952310000 Owner Name: Port City Die Cast Owner Address: 1985 E Laketon Ave

Direction Distance

Elevation Site Database(s) EPA ID Number

### **PORT CITY DIE CAST (Continued)**

1000951222

**EDR ID Number** 

Owner City, St, Zip: Muskegon, MI 49442-6127

Owner Country: USA
Owner Contact: Not reported
Owner Phone: (616) 7777-3941

Contact: ROBERT SCOTT MAUS

Contact Phone: (616) 777-3941
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID: 1

Tank Status: Removed from Ground

Capacity: Not reported Install Date: Not reported Product: Gasoline Remove Date: Sep 19 1991 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown

Piping Type: Suction: Valve at Tank

Constr Material: Unknown Impressed Device: No

Tank ID: 2

Tank Status: Removed from Ground

Capacity: Not reported Install Date: Not reported Product: Gasoline Remove Date: Sep 20 1991 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown

Piping Type: Suction: Valve at Tank

Constr Material: Unknown Impressed Device: No

Tank ID: 3

Tank Status: Removed from Ground

Capacity: Not reported Install Date: Not reported Product: Gasoline Remove Date: Sep 20 1991 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown

Piping Type: Suction: Valve at Tank

Constr Material: Unknown Impressed Device: No

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **PORT CITY DIE CAST (Continued)**

1000951222

Tank ID:

Removed from Ground Tank Status:

Capacity: Not reported Install Date: Not reported Product: Gasoline Remove Date: Sep 23 1991 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown

Piping Type: Suction: Valve at Tank

Constr Material: Unknown Impressed Device: No

JFF INC LUST G23 U002302464 **ENE** 2000 E LAKETON AVE UST N/A

MUSKEGON, MI 49442 1/4-1/2

0.272 mi.

Site 2 of 3 in cluster G 1438 ft.

LUST: Relative:

Facility ID: 00010311 Higher

Source: STATE OF MICHIGAN

Actual: Owner Name: Jff Inc 636 ft.

2000 E Laketon Ave Owner Address: Owner City,St,Zip: Muskegon, MI 49442-6128

Not reported Owner Contact: Owner Phone: (616) 773-6121

Country: USA

**Grand Rapids District Office** District: Site Name: J.F.F. Inc. - Flannery Latitude: 43.2197400000 Longitude: -86.1950920000 Date of Collection: 01-11-2001

Method of Collection: Address Matching-House Number

Accuracy: 100 Accuracy Value Unit: **FEET** 

Horizontal Data: NAD83 Point Line Area: **POINT** 

Desc Category: Plant Entrance (Freight)

Leak Number: C-0527-95 Release Date: May 9 1995 Substance Released: Gasoline Release Status: Open Release Closed Date: Not reported

UST:

Facility ID: 00010311 Facility Type: CLOSED Latitude: 43.2197400000 Longitude: -86.1950920000

Owner Name: Jff Inc

Owner Address: 2000 E Laketon Ave Owner City, St, Zip: Muskegon, MI 49442-6128

Owner Country: USA Owner Contact: Not reported Owner Phone: (616) 773-6121 JAMES F FLANNERY Contact:

Direction Distance

Elevation Site Database(s) EPA ID Number

JFF INC (Continued) U002302464

Contact Phone: (616) 773-6121
Date of Collection: 01-11-2001
Accuracy: 100
Accuracy Value Unit: FEET
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: Address Matching-House Number

Tank ID:

Tank Status: Removed from Ground

Capacity: 4000
Install Date: May 1 1961
Product: Gasoline
Remove Date: Apr 26 1995

Tank Release Detection: Inventory Control, Manual Tank Gauging, Tank Tightness Testing, Vapor

Monitoring

Pipe Realease Detection: Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank

Constr Material: Asphalt Coated or Bare Steel, Lined Interier, Tank Repaired

Impressed Device: No

Tank ID: 2

Tank Status: Removed from Ground

Capacity: 4000
Install Date: May 1 1961
Product: Gasoline
Remove Date: Apr 26 1995

Tank Release Detection: Inventory Control, Manual Tank Gauging, Tank Tightness Testing, Vapor

Monitoring

Pipe Realease Detection: Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank

Constr Material: Asphalt Coated or Bare Steel, Lined Interier, Tank Repaired

Impressed Device: No

Tank ID:

Tank Status: Removed from Ground

Capacity: 4000
Install Date: May 2 1971
Product: Gasoline
Remove Date: Apr 26 1995

Tank Release Detection: Inventory Control, Manual Tank Gauging, Tank Tightness Testing, Vapor

Monitoring

Pipe Realease Detection: Line Tightness Testing
Piping Material: Galvanized Steel
Piping Type: Suction: Valve at Tank
Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 4

Tank Status: Closed in Ground

**EDR ID Number** 

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

JFF INC (Continued) U002302464

Capacity: 250 Install Date: May 1 1961 Product: Used Oil Remove Date: Apr 27 1995 Tank Release Detection: Not reported Pipe Realease Detection: Not reported Piping Material: Unknown Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

G24 **RYDER TRANSPORTATION SERV #2627** LUST U002302466 **UST** N/A

**ENE** 2040 E LAKETON AVE 1/4-1/2 MUSKEGON, MI 49442

0.288 mi.

Site 3 of 3 in cluster G 1519 ft.

LUST: Relative:

00017840 Higher Facility ID:

STATE OF MICHIGAN Source: Actual: Owner Name: Ryder Transportation Service 635 ft.

Owner Address: c/o Ryder Fuel Services16155 Park Row Suite 140

> Owner City, St, Zip: Houston, TX 77084 Owner Contact: Compliance Dept Owner Phone: 713-426-4800

Country: USA

District: **Grand Rapids District Office** Site Name: Ryder #2627 (former Atlas)

43.2197430000 Latitude: Longitude: -86.1947340000 Date of Collection: 01-12-1998

Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Accuracy: 10

Accuracy Value Unit: **METERS** Horizontal Data: NAD83 Point Line Area: **POINT** 

Desc Category: Plant Entrance (Freight)

Leak Number: C-0030-89 Release Date: Sep 13 1989 Substance Released: Not reported Release Status: Open Release Closed Date: Not reported

Leak Number: C-0635-99 Release Date: Jun 29 1999 Substance Released: Unknown Release Status: Open Release Closed Date: Not reported

UST:

00017840 Facility ID: Facility Type: **ACTIVE** Latitude: 43.2197430000 Lonaitude: -86.1947340000

Owner Name: Ryder Transportation Service

Owner Address: c/o Ryder Fuel Services16155 Park Row Suite 140

Owner City,St,Zip: Houston, TX 77084 **EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

### RYDER TRANSPORTATION SERV #2627 (Continued)

U002302466

**EDR ID Number** 

Owner Country: USA

Owner Contact: Compliance Dept
Owner Phone: 713-426-4800
Contact: ROB CEDERQUIST
Contact Phone: (616) 777-2702
Date of Collection: 01-12-1998

Accuracy: 10
Accuracy Value Unit: METERS
Horizontal Datum: NAD83

Source: STATE OF MICHIGAN

Point Line Area: POINT

Desc Category: Plant Entrance (Freight)

Method of Collection: GPS Code Meas. Standard Positioning Service SA Off

Tank ID:

Tank Status: Removed from Ground

Capacity: 500

Install Date:
Product:
Used Oil
Remove Date:
Sep 1 1986
Tank Release Detection:
Pipe Realease Detection:
Not reported
Piping Material:
Piping Type:
Not reported
Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 2

Tank Status: Removed from Ground

Capacity: 6000
Install Date: Not reported
Product: Diesel
Remove Date: Jul 8 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel, Fiberglass Reinforced plastic, Lined

Interier

Impressed Device: No

Tank ID:

Tank Status: Removed from Ground

Capacity: 6000

Install Date: Not reported
Product: Diesel
Remove Date: Jul 8 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel, Fiberglass Reinforced plastic, Lined

Interier

Impressed Device: No

Direction Distance

Elevation Site Database(s) EPA ID Number

### RYDER TRANSPORTATION SERV #2627 (Continued)

**EDR ID Number** 

U002302466

Tank ID: 4

Tank Status: Removed from Ground

Capacity: 4000
Install Date: Not reported
Product: Gasoline
Remove Date: Jul 8 1991
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 5

Tank Status: Removed from Ground

Capacity: 500

Install Date: Not reported
Product: Used Oil
Remove Date: Sep 1 1986
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel
Piping Type: Not reported

Constr Material: Asphalt Coated or Bare Steel

Impressed Device: No

Tank ID: 6

Tank Status: Removed from Ground

Capacity: 3000
Install Date: Dec 27 1986
Product: MOTOR/OIL
Remove Date: Aug 21 1995
Tank Release Detection: Not reported
Pipe Realease Detection: Not reported
Piping Material: Galvanized Steel

Piping Type: Suction: No Valve At Tank
Constr Material: Cathodically Protected Steel

Impressed Device: No

Tank ID: 7

Tank Status: Currently In Use

Capacity: 12000
Install Date: Sep 12 1989
Product: Diesel
Remove Date: Not reported

Tank Release Detection: Inter Monitoring/Second Containment

Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring/Second

Containment

Piping Material: Double Walled, Fiberglass reinforced plastic

Piping Type: Pressure

Constr Material: Double Walled, Fiberglass Reinforced plastic

Impressed Device: No

Direction Distance

Elevation Site Database(s) EPA ID Number

## RYDER TRANSPORTATION SERV #2627 (Continued)

U002302466

**EDR ID Number** 

Tank ID:

Tank Status:

Capacity:
Install Date:
Product:
Remove Date:

Currently In Use
12000
Sep 12 1989
Diesel
Not reported

Tank Release Detection: Inter Monitoring/Second Containment

Pipe Realease Detection: Automatic Line Leak Detectors, Interstitial Monitoring/Second

Containment

Piping Material: Double Walled, Fiberglass reinforced plastic

Piping Type: Pressure

Constr Material: Double Walled, Fiberglass Reinforced plastic

Impressed Device: No

 H25
 LANE'S LAKETON GAS
 AUL
 \$110675307

 East
 2099 EVANSTON AVE
 N/A

1/4-1/2 0.347 mi.

1832 ft. Site 1 of 2 in cluster H

MUSKEGON, MI 49442

Relative: AUL: Higher Sta

Status: Pending
Site Name: Not reported
Property: off-site location

Actual: Property: off-s 635 ft. Property: NAI

Program Type: Part 213
Program Support Assigned User: Not reported
Program Support Assigned Date: Not reported
Legal Description Of Property: Not reported
Based On The Deq Ref #: 13121310004
MDEQ Reference Number: NAI-RRD-213-10-004

Property Or Description Restricted Area: Not reported

Lead Division: RRD

File Name Of Hyperlinked Legal Doc: Not reported Mapped Polygon S Area In Acres: Not reported Mapped Polygon S Area In Square Miles: Not reported Date Data Entry Started: Not reported Date Data Entry Finished: Not reported

Individual Or Staff Assoc With The Mapping:

Program Used To Map Restricted Features:

Map Comments:

Not reported

Not reported

Comment: 4/1/2010, CP requested DNRE reference number. This NAI is also

associated with the on-site RC, RC-RRD-213-10-049, located at 2110

Evanston Ave., Muskegon.

Date Legal Paperwork Stamped/Filed/Register Of Deeds: Not reported

Commercial I Land Use Restriction: Commercial li Land Use Restriction: 0 0 Commercial Iii Land Use Restriction: Commercial Iv Land Use Restriction: 0 Industrial Land Use Restriction: 0 Residential Land Use Restriction: 0 Recreational Land Use Restriction: 0 Multiple Land-Use Restrictions: 0 Site Specific Restrictions: 0 Groundwater Consumption Restrictions: 0 **Groundwater Contact Restrictions:** Special Well Construction Requirements: 0 Special Building Restrictions:

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

LANE'S LAKETON GAS (Continued)

S110675307

Excavation And Soil Movement Restrictions: 0 0 Soil Movement Requirements: There Is A Restriction On All Construction: 0 Monitoring Well Protected, No Tampering Or Removal: 0 There Is An Exposure Barrier In Place: 0 There Is A Health And Safety Plan: 0 There Is A Permanent Marker On The Site: 0

LUST H26 LANE'S LAKETON GAS S105213329 AUL **East** 2110 EVANSTON AVE. N/A MUSKEGON, MI 49442

1/4-1/2 0.366 mi.

1930 ft. Site 2 of 2 in cluster H

Relative: Higher

LUST: Facility ID: 00002255

Source: STATE OF MICHIGAN

Actual: 635 ft.

Owner Name: Owner Address: Owner City,St,Zip: Owner Contact: Owner Phone:

USA Country:

District: **Grand Rapids District Office** 

Site Name: Laketon Gas

Latitude: Longitude:

Date of Collection: 08-01-2002

GPS Code Meas. Standard Positioning Service SA Off Method of Collection:

RC-RRD-213-10-049

Accuracy: 10

MDEQ Reference Number:

Accuracy Value Unit: **METERS** Horizontal Data: NAD83 **POINT** Point Line Area:

Desc Category: Plant Entrance (Freight)

C-0673-95 Leak Number: Release Date: Jun 9 1995 Substance Released: Unknown Release Status: Closed Release Closed Date: Aug 16 2010

AUL:

Pending Status: Site Name: Not reported Property: on-site location

Land Use Restriction Type: RC Program Type: Part 213 Program Support Assigned User: Not reported Program Support Assigned Date: Not reported Legal Description Of Property: Not reported Based On The Deq Ref #: 11121310049

Property Or Description Restricted Area: Not reported Lead Division: **RRD** File Name Of Hyperlinked Legal Doc: Not reported Mapped Polygon S Area In Acres: Not reported Mapped Polygon S Area In Square Miles: Not reported

Date Data Entry Started: Not reported

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

# LANE'S LAKETON GAS (Continued)

S105213329

Date Data Entry Finished: Not reported

Individual Or Staff Assoc With The Mapping: Not reported Program Used To Map Restricted Features: Not reported Map Comments: Not reported

Comment: 4/1/2010, CP requested DNRE reference number. This RC is also

associated with an NAI, NAI-RRD-213-10-004, on an off-site property,

**HAZNET** 

located at 2099 Evanston Ave., Muskegon.

Date Legal Paperwork Stamped/Filed/Register Of Deeds: Not reported

Commercial I Land Use Restriction: 0 Commercial li Land Use Restriction: 0 Commercial Iii Land Use Restriction: 0 Commercial Iv Land Use Restriction: 0 Industrial Land Use Restriction: 0 Residential Land Use Restriction: 0 Recreational Land Use Restriction: 0 Multiple Land-Use Restrictions: 0 Site Specific Restrictions: 0 Groundwater Consumption Restrictions: 0 **Groundwater Contact Restrictions:** Special Well Construction Requirements: 0 Special Building Restrictions: **Excavation And Soil Movement Restrictions:** Soil Movement Requirements: There Is A Restriction On All Construction:

0 0 0 Monitoring Well Protected, No Tampering Or Removal: 0 There Is An Exposure Barrier In Place: 0 There Is A Health And Safety Plan: 0 There Is A Permanent Marker On The Site: 0

127 **BURDICK JACKSON INC** RCRA-TSDF 1000401079 **WSW** 1953 S HARVEY ST CORRACTS 49442BXTRH19

1/4-1/2 MUSKEGON, MI 49442 RCRA-LQG 0.371 mi. **TRIS FINDS** 1959 ft. Site 1 of 2 in cluster I

Relative:

Higher Date form received by agency: 02/26/2010

Contact address:

RCRA-TSDF:

Actual: HONEYWELL INTERNATIONAL INC Facility name:

634 ft. 1953 S HARVEY ST Facility address:

MUSKEGON, MI 49442

EPA ID: MID072575731

Contact: ROBERT R BRENTON

> Not reported Not reported

Contact country: Not reported (231) 725-2600 Contact telephone: Contact email: Not reported

EPA Region: 05 Private Land type: Classification: **TSDF** 

Description: Handler is engaged in the treatment, storage or disposal of hazardous

waste

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

> calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the

Direction Distance Elevation

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### **BURDICK JACKSON INC (Continued)**

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cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: HONEYWELL INTERNATIONAL

Owner/operator address: Not reported Not reported Owner/operator country: Not reported Owner/operator telephone: Not reported

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1996
Owner/Op end date: Not reported

Owner/operator name: HONEYWELL INTERNATIONAL

Owner/operator address: Not reported

Not reported

Owner/operator country:

Owner/operator telephone:

Legal status:

Owner/Operator Type:

Owner

Owner/Op start date:

Owner/Op end date:

Not reported

Not reported

Owner

Not reported

Not reported

### Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

#### **Historical Generators:**

Date form received by agency: 02/26/2010

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 04/03/2009

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

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## **BURDICK JACKSON INC (Continued)**

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Date form received by agency: 03/01/2008

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 02/26/2008

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 03/13/2006

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 03/01/2006

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 04/04/2005

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 03/01/2004

Facility name: HONEYWELL INTERNATIONAL INC
Site name: HONEYWELL INTERNATIONAL
Classification: Large Quantity Generator

Date form received by agency: 02/26/2004

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 03/01/2003

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 03/01/2002

Facility name: HONEYWELL INTERNATIONAL INC
Site name: HONEYWELL INTERNATIONAL
Classification: Large Quantity Generator

Date form received by agency: 02/28/2002

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 02/28/2000

Facility name: HONEYWELL INTERNATIONAL INC

Site name: BURDICK & JACKSON INC Classification: Large Quantity Generator

Date form received by agency: 02/17/1998

Facility name: HONEYWELL INTERNATIONAL INC Site name: BURDICK & JACKSON, INC. Classification: Large Quantity Generator

Date form received by agency: 02/28/1996

Facility name: HONEYWELL INTERNATIONAL INC Site name: BURDICK & JACKSON, INC. Classification: Large Quantity Generator

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**BURDICK JACKSON INC (Continued)** 

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Date form received by agency: 07/31/1995

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Date form received by agency: 03/04/1994

Facility name: HONEYWELL INTERNATIONAL INC
Site name: BAXTER DIAGNOSTICS INCORPORATED

Classification: Large Quantity Generator

Date form received by agency: 02/19/1992

Facility name: HONEYWELL INTERNATIONAL INC
Site name: BAXTER DIAGNOSTICS INC.
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990

Facility name: HONEYWELL INTERNATIONAL INC
Site name: BAXTER HEALTHCARE CORPORATION

Classification: Large Quantity Generator

Date form received by agency: 11/19/1980

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Not a generator, verified

Date form received by agency: 08/18/1980

Facility name: HONEYWELL INTERNATIONAL INC

Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

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## **BURDICK JACKSON INC (Continued)**

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NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004
Waste name: ARSENIC

Waste code: D005 Waste name: BARIUM

Waste code: D007

Waste name: CHROMIUM

Waste code: D008 Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D018
Waste name: BENZENE

Waste code: D020

Waste name: CHLORDANE

Waste code: D021

Waste name: CHLOROBENZENE

Waste code: D022

Waste name: CHLOROFORM

Waste code: D023 Waste name: O-CRESOL

Waste code: D027

Waste name: 1,4-DICHLOROBENZENE

Waste code: D028

Waste name: 1,2-DICHLOROETHANE

Waste code: D030

Waste name: 2,4-DINITROTOLUENE

Waste code: D035

Waste name: METHYL ETHYL KETONE

Waste code: D038
Waste name: PYRIDINE

Waste code: D039

Waste name: TETRACHLOROETHYLENE

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

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## **BURDICK JACKSON INC (Continued)**

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ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F006

Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT

FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF

ALUMINUM.

Waste code: F008

Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM

ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: P098

Waste name: POTASSIUM CYANIDE

Waste code: U002

Waste name: ACETONE (I)

Waste code: U003

Waste name: ACETONITRILE (I,T)

Waste code: U008

Waste name: ACRYLIC ACID (I)

Waste code: U009

Waste name: ACRYLONITRILE

Waste code: U019

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**BURDICK JACKSON INC (Continued)** 

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Waste name: BENZENE (I,T)

Waste code: U044

Waste name: CHLOROFORM

Waste code: U080

Waste name: METHANE, DICHLORO-

Waste code: U113

Waste name: ETHYL ACRYLATE (I)

Waste code: U123

Waste name: FORMIC ACID (C,T)

Waste code: U185

Waste name: BENZENE, PENTACHLORONITRO-

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 515924.6

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 210642.6

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS

NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE

OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Amount (Lbs): 6847.7

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 132.8

Waste code: D005 Waste name: BARIUM Amount (Lbs): 41.5

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## **BURDICK JACKSON INC (Continued)**

Waste code:

Waste name:

CHROMIUM

456.5 Amount (Lbs): Waste code: D008

D007

Waste name: LEAD Amount (Lbs): 1411

Waste code: D009 Waste name: **MERCURY** Amount (Lbs): 16.6

Waste code: D018 Waste name: BENZENE Amount (Lbs): 1411

Waste code: D020

CHLORDANE Waste name: Amount (Lbs): 1826.1

Waste code: D021

CHLOROBENZENE Waste name:

Amount (Lbs): 20543.2

D022 Waste code:

CHLOROFORM Waste name:

Amount (Lbs): 68303

Waste code: D023 O-CRESOL Waste name: Amount (Lbs): 3195.6

Waste code: D027

Waste name: 1,4-DICHLOROBENZENE

20543.2 Amount (Lbs):

Waste code: D028

Waste name: 1,2-DICHLOROETHANE

Amount (Lbs): 22394.2

D030 Waste code:

Waste name: 2,4-DINITROTOLUENE

Amount (Lbs): 51661

Waste code: D035

METHYL ETHYL KETONE Waste name:

Amount (Lbs): 294863.2

Waste code: D038 Waste name: **PYRIDINE** 160037.7 Amount (Lbs):

Waste code: D039

Waste name: **TETRACHLOROETHYLENE** 

Amount (Lbs): 59338.7

Waste code: F002 1000401079

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### **BURDICK JACKSON INC (Continued)**

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Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

Amount (Lbs): 47477.6

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Amount (Lbs): 300797.9

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 226435.7

Waste code: F006

Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT

FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF

ALUMINUM.

Amount (Lbs): 1826.1

Waste code: F008

Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM

ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Amount (Lbs): 63447.4

Waste code: P098

Waste name: POTASSIUM CYANIDE

Amount (Lbs): 83

Waste code: U002 Waste name: ACETONE (I) Amount (Lbs): 237429.6

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## **BURDICK JACKSON INC (Continued)**

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Waste code: U003

Waste name: ACETONITRILE (I,T)

Amount (Lbs): 23738.8

Waste code: U008

Waste name: ACRYLIC ACID (I)

Amount (Lbs): 1369.5

Waste code: U009

Waste name: ACRYLONITRILE

Amount (Lbs): 1369.5

Waste code: U019

Waste name: BENZENE (I,T)

Amount (Lbs): 41.5

Waste code: U044

Waste name: CHLOROFORM

Amount (Lbs): 57977.5

Waste code: U080

Waste name: METHANE, DICHLORO-

Amount (Lbs): 25564.9

Waste code: U113

Waste name: ETHYL ACRYLATE (I)

Amount (Lbs): 34695.2

Waste code: U123

Waste name: FORMIC ACID (C,T)

Amount (Lbs): 456.5

Waste code: U185

Waste name: BENZENE, PENTACHLORONITRO-

Amount (Lbs): 132.8

Corrective Action Summary:

Event date: 02/21/1992 Event: RFA Completed

Event date: 03/31/1992

Event: CA Prioritization, Facility or area was assigned a high corrective

action priority.

Event date: 08/28/1995

Event: RFI Imposition, Focused data collection required for stabilization

evaluation.

Event date: 09/27/2007

Event: Current Human Exposures under Control, Yes, Current Human Exposures

Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant

changes at the facility.

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## **BURDICK JACKSON INC (Continued)**

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**EDR ID Number** 

Event date: 03/10/2008

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of

Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of

significant changes at the facility.

Facility Has Received Notices of Violations:

Regulation violated: Not reported

Area of violation: Generators - General

Date violation determined: 11/13/2002
Date achieved compliance: 01/30/2003
Violation lead agency: EPA

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 11/27/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Enforcement lead agency: EPA
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Conditions

Date violation determined: 12/18/2001
Date achieved compliance: 04/22/2005
Violation lead agency: State

Enforcement action: Not reported Enforcement action date: 03/23/2005 Enf. disposition status: Not reported Enf. disp. status date: Not reported

Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Conditions

Date violation determined: 12/18/2001
Date achieved compliance: 04/22/2005
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 12/18/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0

Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported

Area of violation: Generators - General

MAP FINDINGS Map ID

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## **BURDICK JACKSON INC (Continued)**

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Date violation determined: 03/05/1993 11/15/1993 Date achieved compliance: Violation lead agency: State

WRITTEN INFORMAL Enforcement action:

Enforcement action date: 03/15/1993 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Final penalty amount: 0 Paid penalty amount: 0

Regulation violated: Not reported Area of violation: LDR - General Date violation determined: 08/05/1987 Date achieved compliance: 11/05/1987

Violation lead agency: State

Paid penalty amount:

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 08/10/1987 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: Final penalty amount:

Regulation violated: Not reported Area of violation: Generators - General

0

Date violation determined: 06/27/1986 Date achieved compliance: 11/10/1986 Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 07/02/1986 Enf. disposition status: Not reported Enf. disp. status date: Not reported Enforcement lead agency: State Proposed penalty amount: 0 Final penalty amount: 0 Paid penalty amount: 0

**Evaluation Action Summary:** 

Evaluation date: 06/03/2009

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 07/15/2004

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 11/13/2002

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Generators - General

Date achieved compliance: 01/30/2003

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**BURDICK JACKSON INC (Continued)** 

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Evaluation lead agency: EPA

Evaluation date: 04/30/2002

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 12/18/2001

Evaluation: NON-FINANCIAL RECORD REVIEW

Area of violation: Permits - Conditions

Date achieved compliance: 04/22/2005 Evaluation lead agency: State

Evaluation date: 03/15/2000

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 10/21/1996

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/05/1993

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 11/15/1993 Evaluation lead agency: State

Evaluation date: 08/05/1987

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: LDR - General Date achieved compliance: 11/05/1987 Evaluation lead agency: State

Evaluation date: 06/27/1986

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 11/10/1986 Evaluation lead agency: State

CORRACTS:

EPA ID: MID072575731

EPA Region: 0

Area Name: ENTIRE FACILITY
Actual Date: 02/21/1992

Action: CA050 - RFA Completed

NAICS Code(s): 325199

All Other Basic Organic Chemical Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MID072575731

Direction Distance

Elevation Site Database(s) EPA ID Number

## **BURDICK JACKSON INC (Continued)**

1000401079

**EDR ID Number** 

EPA Region: 05

Area Name: ENTIRE FACILITY
Actual Date: 03/10/2008

Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,

Migration of Contaminated Groundwater Under Control has been verified

NAICS Code(s): 325199

All Other Basic Organic Chemical Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MID072575731

EPA Region: 05

Area Name: ENTIRE FACILITY
Actual Date: 03/31/1992

Action: CA075HI - CA Prioritization, Facility or area was assigned a high

corrective action priority

NAICS Code(s): 325199

All Other Basic Organic Chemical Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MID072575731

EPA Region: 05

Area Name: ENTIRE FACILITY

Actual Date: 08/28/1995

Action: CA100DC - RFI Imposition, Focused data collection required for

stabilization evaluation

NAICS Code(s): 325199

All Other Basic Organic Chemical Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

EPA ID: MID072575731

EPA Region: 05

Area Name: ENTIRE FACILITY
Actual Date: 09/27/2007

Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human

Exposures Under Control has been verified

NAICS Code(s): 325199

All Other Basic Organic Chemical Manufacturing

Original schedule date: Not reported Schedule end date: Not reported

FINDS:

Registry ID: 110000410831

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the

estimation of total national emissions. AFS is undergoing a major

Map ID Direction Distance Elevation

#### MAP FINDINGS

Site Database(s) EPA ID Number

### **BURDICK JACKSON INC (Continued)**

1000401079

**EDR ID Number** 

redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

HAZNET:

Year: 2004

Gepaid: MID072575731
Contact: ERIC STRUM
Telephone: 2317256200
Mailing Name: Not reported

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **BURDICK JACKSON INC (Continued)**

1000401079

Mailing Address: 1953 S HARVEY ST Mailing City, St, Zip: MUSKEGON, MI 494426184

Gen County: Not reported TSD EPA ID: CAD059494310 TSD County: Santa Clara Waste Category: Other organic solids

Disposal Method: H01 Tons: 0.1

Facility County: Not reported

128 **HONEYWELL BURDICK & JACKSON** SHWS S108959532 wsw 1953 SOUTH HARVEY STREET **NPDES** N/A

1/4-1/2 MUSKEGON, MI 49442

0.371 mi.

1959 ft. Site 2 of 2 in cluster I

Relative:

SHWS:

Facility ID: 61000383 Higher

Facility Status: Inactive - no actions taken to address contamination

Actual: Source: Not reported

634 ft. SAM Score: 20

SAM Score Date: 05/17/2007 Township: 10N 16W Range: Section: 33 NE Quarter: Quarter/Quarter: NE

Pollutants: Not reported

MI NPDES:

Permit Number: NEC156755

Permitee PO Box:

Permitee Email: Not reported 9/15/2009 Issue Date: Effective Date: 9/15/2009 **Expiration Date:** 9/15/2014

Honeywell Burdick & Jackson Permittee Name:

Permittee Address: 101 Columbia Road Permittee Addr2: Not reported

Permittee City,St,Zip: Morristown, NJ 7962

Permit Type: NEC Facility Name 2: Not reported

Facility Name 3: Not reported Facility Name 4: Not reported

Designed Name: Honeywell Burdick & Jackson Latitude: 43.217730000000003

Lat Direction: Ν Lat Type Code: LAT

Longitude: -86.207009999999997

Lon Direction: Lon Type Code: LON Hydrologic Unit Code: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

29 ESCO SHWS S105144482

SW 1221 BARNEY AVE. N/A 1/2-1 MUSKEGON, MI 49443

0.961 mi. 5076 ft.

Relative: SHWS:

Lower Facility ID: 61000018

Facility Status: Interim Response in progress

Actual: Source: Chemicals and Allied Products 620 ft. SAM Score: 25

SAM Score Date: 05/17/2004
Township: 10N
Range: 17W
Section: 33
Quarter: SE

Quarter/Quarter: NW Pollutants: 1,2 DCA; PCE

\_\_\_\_\_

30 1870 HUIZENGA STREET West 1870 HUIZENGA STREET 1/2-1 MUSKEGON, MI 49442

0.975 mi. 5149 ft.

Relative: SHWS:

**Lower** Facility ID: 61000426

Facility Status: Inactive - no actions taken to address contamination

Actual: Source: Not reported

**631 ft.** SAM Score: 22

SAM Score Date: 05/31/2007
Township: 10N
Range: 16W
Section: 33
Quarter: NW
Quarter/Quarter: NE

Pollutants: As; Se; TCE

BEA:

Secondary Address: Not reported

BEA Number: 139

District: Grand Rapids
Date Received: 11/15/1996
Submitter Name: City of Muskegon
Petition Determination: No Request

Petition Disclosure: 0

Category: No Hazardous Substance(s)

Determination 20107A: No Request Reviewer: moyerr

Division Assigned: Environmental Response Division

**EDR ID Number** 

SHWS

**BEA** 

S104910168

N/A

Direction Distance

Elevation Site **EPA ID Number** Database(s)

31 **MUSKEGON ORD PLANT FUDS** 1007211324 N/A

**WSW** 

MUSKEGON, MI 1/2-1

0.988 mi. 5219 ft.

FUDS: Relative:

Federal Facility ID: Lower MI9799F2305

FUDS #: E05MI0153

Actual: INST ID: 57628 630 ft.

MUSKEGON ORD PLANT Facility Name:

City: MUSKEGON

State: MΙ EPA Region: 5

**MUSKEGON** County:

Congressional District: 02

**US Army District:** Louisville District (LRL)

Fiscal Year: 2009 502-315-6768 Telephone: NPL Status: Not Listed RAB: Not reported CTC: 1954.91608 Current Owner: **PRIVATE** 

**FUDS Description Details:** 

TCM was a government-owned and contractor-operated facility located in Muskegon, Michigan. The plant consists of a 980,000-sq-ft building

with smaller buildings on a 57-acre site. (9/13/2002)

**FUDS History Details:** 

The U.S. built the TCM plant for engine production in 1943. It was a government-owned and contractor-operated facility until 1966. TCM leased the plant from 1966 to 1971 and purchased it in 1971. Only tank

engines were produced at this site. The one

time site name of Muskegon 'Ordnance' Plant appears to be related to former oversight of tank/component production by the U.S. Army Ordnance Corps. General Dynamics currently owns the plant. but not

liable for past contamination. TDY Inc. is the PRP.

.(2004)

**FUDS Current Program Details:** 

FUDS Future Program Details:

**AMERICAN COIL SPRING CO CERC-NFRAP** 1000359540 wsw **1041 E KEATING AVE** RCRA-NonGen MID006016562

1/2-1 MUSKEGON, MI 49442 0.991 mi. 5230 ft.

32

CERC-NFRAP: Relative:

Site ID: 0502341 Lower

Federal Facility: Not a Federal Facility Actual: NPL Status: Not on the NPL

631 ft. Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Alias Name(s):

AMERICAN COIL SPRING CO Alias Name:

**FINDS** 

SHWS

**BEA** 

**EDR ID Number** 

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AMERICAN COIL SPRING CO (Continued)**

1000359540

**EDR ID Number** 

Alias Address: 1041 E KEATING

MUSKEGON, MI 49442

Program Priority:

Description: GAO Survey (RCED-99-22A)

Description: Great Lakes

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 02/11/1986
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported
Date Completed: 02/11/1986

Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 09/16/1987

Priority Level: Higher priority for further assessment

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 09/16/1999
Priority Level: Not reported

RCRA-NonGen:

Date form received by agency: 03/30/2009

Facility name: AMERICAN COIL SPRING CO Facility address: 1041 E KEATING AVE

MUSKEGON, MI 49442

EPA ID: MID006016562
Mailing address: 2700 WICKHAM DR
MUSKEGON, MI 49441

Contact: KIM MAYBERRY
Contact address: Not reported
Not reported

Contact country: Not reported
Contact telephone: (231) 755-1691

Telephone ext.: 254

Contact email: Not reported

EPA Region: 05

Land type: Other land type Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NO ACTIVE O/OP AS NOT GENERATING WASTE

Owner/operator address: Not reported

Not reported

Owner/operator country: Not reported Owner/operator telephone: Not reported

MAP FINDINGS Map ID

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

## **AMERICAN COIL SPRING CO (Continued)**

1000359540

**EDR ID Number** 

Legal status: Private Owner/Operator Type: Operator 03/31/2009 Owner/Op start date: Owner/Op end date: Not reported

NO ACTIVE O/OP AS NOT GENERATING WASTE Owner/operator name:

Owner/operator address: Not reported Not reported

Not reported

Owner/operator country: Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 03/31/2009 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: Nο Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

**Historical Generators:** 

Date form received by agency: 03/30/2009

Facility name: AMERICAN COIL SPRING CO Classification: Not a generator, verified

Date form received by agency: 03/29/2009

Facility name: AMERICAN COIL SPRING CO Classification: Not a generator, verified

Date form received by agency: 03/23/2009

Facility name: AMERICAN COIL SPRING CO Classification: Large Quantity Generator

Date form received by agency: 03/16/2005

Facility name: AMERICAN COIL SPRING CO

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/07/2004

Facility name: AMERICAN COIL SPRING CO

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/23/2004

AMERICAN COIL SPRING CO Facility name: Classification: Small Quantity Generator

Map ID MAP FINDINGS
Direction

Direction

Elevation Site Database(s) EPA ID Number

## AMERICAN COIL SPRING CO (Continued)

1000359540

**EDR ID Number** 

Date form received by agency: 04/08/2003

Facility name: AMERICAN COIL SPRING CO
Classification: Small Quantity Generator

Date form received by agency: 10/22/2001

Facility name: AMERICAN COIL SPRING CO
Classification: Small Quantity Generator

Date form received by agency: 06/10/1996

Facility name: AMERICAN COIL SPRING CO
Classification: Small Quantity Generator

Date form received by agency: 08/18/1980

Facility name: AMERICAN COIL SPRING CO
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D007
Waste name: CHROMIUM

Waste code: D008 Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

Direction Distance Elevation

evation Site Database(s) EPA ID Number

## AMERICAN COIL SPRING CO (Continued)

1000359540

**EDR ID Number** 

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 4125.2

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS

CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 49.8

Waste code: D007 Waste name: CHROMIUM

Amount (Lbs): 16.6

Waste code: D008
Waste name: LEAD
Amount (Lbs): 5063.2

Waste code: D011
Waste name: SILVER
Amount (Lbs): 16.6

Waste code: F003

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Site Database(s) EPA ID Number

## AMERICAN COIL SPRING CO (Continued)

1000359540

**EDR ID Number** 

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Amount (Lbs): 4108.6

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 4108.6

Violation Status: No violations found

**Evaluation Action Summary:** 

Evaluation date: 08/31/2004

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Evaluation date: 06/04/1996

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

FINDS:

Registry ID: 110001679737

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

Direction Distance

Elevation Site Database(s) EPA ID Number

## AMERICAN COIL SPRING CO (Continued)

1000359540

**EDR ID Number** 

corrective action activities required under RCRA.

SHWS:

Facility ID: 61000001

Facility Status: Inactive - no actions taken to address contamination

Source: Mis Fabricated Wire Products

SAM Score: 35

SAM Score Date: 07/01/2004
Township: 10N
Range: 16W
Section: 33
Quarter: NW
Quarter/Quarter: SE

Pollutants: TCE; cis-1,2 DCE

BEA:

Secondary Address: Not reported

BEA Number: 260

District: Grand Rapids
Date Received: 9/2/1997

Submitter Name: Hines Corporation
Petition Determination: No Request
Petition Disclosure: 0

Category: Same Hazardous Substance(s)

Determination 20107A: No Request Reviewer: moyerr

Division Assigned: Environmental Response Division

Secondary Address: Not reported

BEA Number: 261

District: Grand Rapids
Date Received: 9/2/1997

Submitter Name: ACS Acquisition Corporation

Petition Determination: No Request

Petition Disclosure: 0

Category: Same Hazardous Substance(s)

Determination 20107A: No Request Reviewer: moyerr

Division Assigned: Environmental Response Division

Secondary Address: Not reported

BEA Number: 262

District: Grand Rapids
Date Received: 9/2/1997

Submitter Name: Larry Hines. Director

Petition Determination: No Request

Petition Disclosure: 0

Category: Same Hazardous Substance(s)

Determination 20107A: No Request Reviewer: moyerr

Division Assigned: Environmental Response Division

Secondary Address: Not reported

BEA Number: 263

District: Grand Rapids

Map ID MAP FINDINGS Direction

Distance

Elevation Site Database(s) EPA ID Number

# AMERICAN COIL SPRING CO (Continued)

Date Received: 9/2/1997

Submitter Name: Michelle K Buckley, Officer

Petition Determination: No Request

Petition Disclosure: 0

Category: Same Hazardous Substance(s)

Determination 20107A: No Request Reviewer: moyerr

Division Assigned: Environmental Response Division

Secondary Address: Not reported

BEA Number: 264

District: Grand Rapids
Date Received: 9/2/1997

Submitter Name: J. Scott Timmer, Officer

Petition Determination: No Request

Petition Disclosure: 0

Category: Same Hazardous Substance(s)

Determination 20107A: No Request Reviewer: moyerr

Division Assigned: Environmental Response Division

**EDR ID Number** 

1000359540

Count: 27 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MONTAGUE	S106900341	WAYNES FOOD MART INC.	11094 US-31 NORTH	49444	LUST
MONTAGUE	U003327659	WAYNES FOOD MART INC	11094 USHY 31 N	49444	UST
MUSKEGON	S104912234	FORMER COUNTY OWNED PROPERTY	V & L APPLE AVE	49442	BEA
MUSKEGON	S105144498	CHEVRON TERMINAL	1781ST SHERMAN BLVD & ESTES S	49444	SHWS
MUSKEGON	S103085013	COMMERCIAL WELLS GETTY ST	2525 TO 2601 GETTY ST	49444	SHWS
MUSKEGON	S108632600	TELEDYNE CONTINENTAL MOTORS	700TH TERRACE ST & MARKET		SHWS, AUL
MUSKEGON	S105094859	ACCESS HIGHWAY	ACCESS HWY		BEA
MUSKEGON	S104910070	MICHIGAN SHORE RAILROAD PROPERTY	BETWEEN GRAND AND LAKETON AVE		BEA
MUSKEGON	1007099781	CONSUMERS CONCRETE CORP	4400 E EVANSTON	49442	RCRA-NonGen
MUSKEGON	S108236782	MID MICHIGAN RAILROAD PROPERTY	FORMER RAILROAD CORRIDOR	49442	BEA
MUSKEGON	S110484481	DARIEN PROPERTY	HARVEY & PONTALUNA	49444	WDS
MUSKEGON	S105254608	2110 EVANSTON AVE.	LAKETON EVANSTON GAS	49442	BEA
MUSKEGON	1000451930	COUNTY OF MUSKEGON WASTE WATER SYS	9065 E LAKETON	49442	RCRA-NonGen, FINDS
MUSKEGON	S104910074	MICHCON AND CSX PROPERTY	MORRIS STREET BETWEEN 1ST & 3		BEA
MUSKEGON	S105144511	MUSKEGON LAKE - RUDDIMAN CREEK	MUSKEGON LAKE RUDDIMAN CRK		SHWS
MUSKEGON	S104912238	FORMER MICHCON PROPERTY	NEAR FIRST ST & SHORELINE DR		BEA
MUSKEGON	S108228877	RESTLAWN CEMETARY MAINTENANCE GARA	1434 NIMS ST		SHWS, AUL
MUSKEGON	S104910999	RAILTEX PROPERTY (FORMER)	S OF SHERMAN BLVD BET ESTES &		BEA
MUSKEGON	S100069971	ANCHOR EXC & WRECKING CO LF	QUARTERLINE RD	49442	HIST LF
MUSKEGON	U003329468	MUSKEGON COUNTY LANDFILL	101 QUARTERLINE RD	49442	LUST, UST
MUSKEGON	U003328173	MUSKEGON TWP	103 QUARTERLINE RD	49442	LUST, UST
MUSKEGON	S103594379		1960 S ROBERTS	49442	SHWS, SPILLS
MUSKEGON	S106787581	RUDDIMAN CREEK DRUM DUMP	RUDDIMAN CRK		SHWS
MUSKEGON	S110126743	MUSKEGON RIVER DRUM DUMP	SEAWAY DRIVE OF GETTY ST E		SHWS
MUSKEGON	S104910026	TERRACE POINT PROPERTY - PARCEL 1	TERRACE POINT DR		BEA
MUSKEGON HEIGHTS	1003871863	PECK STREET. LANDFILL	PECK ST & SEAWAY DR	49444	CERC-NFRAP, SHWS
SCOTTVILLE	A100206975	PRO-GAS SALES & SERV	1085 E USHY 10	49442	AST

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

#### Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/30/2011 Source: EPA
Date Data Arrived at EDR: 07/12/2011 Telephone: N/A

Number of Days to Update: 79 Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/30/2011 Source: EPA
Date Data Arrived at EDR: 07/12/2011 Telephone: N/A

Number of Days to Update: 79 Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

#### Federal Delisted NPL site list

**DELISTED NPL: National Priority List Deletions** 

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/30/2011 Date Data Arrived at EDR: 07/12/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 79

Source: EPA Telephone: N/A

Last EDR Contact: 07/12/2011

Next Scheduled EDR Contact: 10/24/2011 Data Release Frequency: Quarterly

#### Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 09/01/2011

Next Scheduled EDR Contact: 12/12/2011 Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010 Date Data Arrived at EDR: 01/11/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 07/15/2011

Next Scheduled EDR Contact: 10/24/2011 Data Release Frequency: Varies

#### Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 09/01/2011

Next Scheduled EDR Contact: 12/12/2011 Data Release Frequency: Quarterly

#### Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# **GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 03/09/2011 Date Data Arrived at EDR: 03/15/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 91

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Quarterly

#### Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 07/07/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Quarterly

#### Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011 Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 07/07/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 07/07/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 07/07/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Varies

#### Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011 Date Data Arrived at EDR: 03/25/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 81

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

#### Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 07/05/2011 Date Data Arrived at EDR: 07/05/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 86

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 07/05/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Annually

## State- and tribal - equivalent CERCLIS

SHWS: Contaminated Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 08/01/2011 Date Data Arrived at EDR: 08/02/2011 Date Made Active in Reports: 08/26/2011

Number of Days to Update: 24

Source: Department of Natural Resources & Environment

Telephone: 517-373-9541 Last EDR Contact: 08/02/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Semi-Annually

### State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/05/2011 Date Data Arrived at EDR: 01/07/2011 Date Made Active in Reports: 02/14/2011

Number of Days to Update: 38

Source: Department of Natural Resources & Environment

Telephone: 517-335-4035 Last EDR Contact: 07/05/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Semi-Annually

#### State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/02/2011 Date Data Arrived at EDR: 07/08/2011 Date Made Active in Reports: 07/27/2011

Number of Days to Update: 19

Source: Department of Natural Resources & Environment

Telephone: 517-373-9837 Last EDR Contact: 08/24/2011

Next Scheduled EDR Contact: 12/05/2011 Data Release Frequency: Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/16/2011 Date Data Arrived at EDR: 06/02/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 103

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 08/02/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 05/05/2011 Date Data Arrived at EDR: 08/02/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 42

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/02/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/04/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 39

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011 Date Data Arrived at EDR: 02/01/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 48

Source: Environmental Protection Agency Telephone: 415-972-3372

Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/11/2011 Date Data Arrived at EDR: 08/12/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 32

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 25

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Quarterly

#### State and tribal registered storage tank lists

UST: Underground Storage Tank Facility List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/02/2011 Date Data Arrived at EDR: 07/08/2011 Date Made Active in Reports: 07/28/2011

Number of Days to Update: 20

Source: Department of Natural Resources & Environment

Telephone: 517-335-4035 Last EDR Contact: 08/24/2011

Next Scheduled EDR Contact: 12/05/2011 Data Release Frequency: Annually

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 07/29/2011 Date Data Arrived at EDR: 07/29/2011 Date Made Active in Reports: 09/06/2011

Number of Days to Update: 39

Source: Department of Environmental Quality

Telephone: 517-335-7211 Last EDR Contact: 06/24/2011 Next Scheduled EDR Contact: N/A Data Release Frequency: Quarterly

AST: Aboveground Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 06/06/2011 Date Data Arrived at EDR: 06/15/2011 Date Made Active in Reports: 06/24/2011

Number of Days to Update: 9

Source: Department of Natural Resources & Environment

Telephone: 517-373-8168 Last EDR Contact: 08/22/2011

Next Scheduled EDR Contact: 12/05/2011 Data Release Frequency: No Update Planned

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/04/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 39

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/11/2011 Date Data Arrived at EDR: 08/12/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 32

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 08/04/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 39

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 25

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011 Date Data Arrived at EDR: 06/01/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 13

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 08/02/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 07/01/2011 Date Data Arrived at EDR: 08/26/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 18

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011 Date Data Arrived at EDR: 05/11/2011 Date Made Active in Reports: 06/14/2011

Number of Days to Update: 34

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 05/05/2011 Date Data Arrived at EDR: 08/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 36

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 08/02/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Varies

### State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls

A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 05/21/2011 Date Data Arrived at EDR: 06/22/2011 Date Made Active in Reports: 07/27/2011

Number of Days to Update: 35

Source: Department of Natural Resources & Environment

Telephone: 517-373-4828 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Varies

#### State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 05/05/2011 Date Data Arrived at EDR: 07/05/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 70

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 07/05/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Varies

#### State and tribal Brownfields sites

BROWNFIELDS: Brownfields and USTfield Site Database

All state funded Part 201 and 213 sites, as well as LUST sites that have been redeveloped by private entities using the BEA process. Be aware that this is not a list of all of the potential brownfield sites in Michigan.

Date of Government Version: 05/05/2011 Date Data Arrived at EDR: 05/05/2011 Date Made Active in Reports: 05/25/2011

Number of Days to Update: 20

Source: Department of Natural Resources & Environment

Telephone: 517-373-4805 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations

A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detrot Edison, Detroit Area Commercial Board of Realtors

Date of Government Version: 04/09/2007 Date Data Arrived at EDR: 04/10/2007 Date Made Active in Reports: 05/01/2007

Number of Days to Update: 21

Source: Economic Development Corporation

Telephone: 888-522-0103 Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Varies

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/27/2011 Date Data Arrived at EDR: 06/27/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 78 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 09/28/2011 Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Semi-Annually

#### Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 11/24/2009 Date Data Arrived at EDR: 09/30/2010 Date Made Active in Reports: 10/28/2010

Number of Days to Update: 28

Source: Department of Natural Resources & Environment

Telephone: 517-241-5719 Last EDR Contact: 07/08/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities

The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997 Date Data Arrived at EDR: 02/28/2003 Date Made Active in Reports: 03/06/2003

Number of Days to Update: 6

Source: Department of Natural Resources & Environment

Telephone: 517-335-4034 Last EDR Contact: 02/28/2003 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 08/08/2011

Next Scheduled EDR Contact: 11/21/2011 Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/08/2011 Date Data Arrived at EDR: 09/16/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 13

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 09/07/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Quarterly

DEL SHWS: Delisted List of Contaminated Sites

Sites that have been delisted or deleted from the List of Contaminated Sites. The available documentation for the site does not support it's listing or the site no longer meets criteria specified in rules.

Date of Government Version: 08/05/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 08/26/2011

Number of Days to Update: 21

Source: Department of Natural Resources & Environment

Telephone: 517-373-9541 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations.

Date of Government Version: 10/20/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 11/21/2008

Number of Days to Update: 3

Source: Department of Community Health

Telephone: 517-373-3740 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011

Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007 Date Data Arrived at EDR: 11/19/2008 Date Made Active in Reports: 03/30/2009

Number of Days to Update: 131

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

## Local Lists of Registered Storage Tanks

UST 2: Underground Storage Tank Listing

A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 07/29/2011 Date Data Arrived at EDR: 07/29/2011 Date Made Active in Reports: 09/06/2011

Number of Days to Update: 39

Source: Department of Environmental Quality

Telephone: 517-335-7211 Last EDR Contact: 06/24/2011 Next Scheduled EDR Contact: N/A Data Release Frequency: Quarterly

#### Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011 Date Data Arrived at EDR: 09/16/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 08/12/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 07/11/2011

Next Scheduled EDR Contact: 09/05/2011 Data Release Frequency: Varies

LIENS: Lien List

An Environmental Lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property, including (but not limited to) liens imposed pursuant to CERCLA 42 USC \* 9607(1) and similar state or local laws. In other words: a lien placed upon a property's title due to an environmental condition

Date of Government Version: 06/13/2011 Date Data Arrived at EDR: 07/25/2011 Date Made Active in Reports: 07/29/2011

Number of Days to Update: 4

Source: Department of Natural Resources & Environment

Telephone: 517-373-9837 Last EDR Contact: 07/22/2011

Next Scheduled EDR Contact: 08/08/2011

Data Release Frequency: Varies

#### Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/05/2011 Date Data Arrived at EDR: 04/05/2011 Date Made Active in Reports: 09/13/2011 Number of Days to Update: 161

Telephone: 202-366-4555 Last EDR Contact: 07/05/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Annually

Source: U.S. Department of Transportation

PEAS: Pollution Emergency Alerting System

Environmental pollution emergencies reported to the Department of Environmental Quality such as tanker accidents, pipeline breaks, and release of reportable quantities of hazardous substances.

Date of Government Version: 10/21/2010 Date Data Arrived at EDR: 10/22/2010 Date Made Active in Reports: 10/28/2010 Source: Department of Natural Resources & Environment

Telephone: 517-373-8427 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Quarterly

#### Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

Number of Days to Update: 6

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2011 Date Data Arrived at EDR: 07/07/2011 Date Made Active in Reports: 08/08/2011 Source: Environmental Protection Agency

Telephone: 312-886-6186 Last EDR Contact: 07/07/2011

Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Number of Days to Update: 32

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2011 Date Data Arrived at EDR: 02/11/2011 Date Made Active in Reports: 05/02/2011 Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 08/09/2011

Number of Days to Update: 80

Next Scheduled EDR Contact: 11/21/2011 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007 Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 07/22/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

Number of Days to Update: 62

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 08/12/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 112

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/01/2011 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 41

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/31/2011 Date Data Arrived at EDR: 09/14/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 15

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 09/14/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/21/2010 Date Made Active in Reports: 01/28/2011

Number of Days to Update: 99

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 08/31/2011

Next Scheduled EDR Contact: 12/12/2011 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011 Date Data Arrived at EDR: 09/08/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 09/08/2011

Next Scheduled EDR Contact: 12/19/2011 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/17/2010 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 94

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 09/01/2011

Next Scheduled EDR Contact: 12/12/2011 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 09/29/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 64

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/27/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/31/2011

Next Scheduled EDR Contact: 12/12/2011 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 08/31/2011

Next Scheduled EDR Contact: 12/12/2011 Data Release Frequency: Quarterly

#### HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

#### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 08/18/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Annually

#### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011 Date Data Arrived at EDR: 01/21/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 59

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010 Date Data Arrived at EDR: 11/10/2010 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 98

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 07/22/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Annually

#### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011 Date Data Arrived at EDR: 07/15/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 60

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Quarterly

#### RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011 Date Data Arrived at EDR: 01/13/2011 Date Made Active in Reports: 02/16/2011

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 07/12/2011

Next Scheduled EDR Contact: 10/24/2011 Data Release Frequency: Quarterly

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010 Date Data Arrived at EDR: 04/16/2010 Date Made Active in Reports: 05/27/2010

Number of Days to Update: 41

Source: EPA

Telephone: (312) 353-2000 Last EDR Contact: 09/13/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Quarterly

#### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008

Data Release Frequency: No Update Planned

#### BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 62

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 09/01/2011

Next Scheduled EDR Contact: 12/12/2011 Data Release Frequency: Biennially

#### WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 02/28/2011 Date Data Arrived at EDR: 03/01/2011 Date Made Active in Reports: 03/28/2011

Number of Days to Update: 27

Source: Department oF Natural Resources & Environment

Telephone: 517-373-9875 Last EDR Contact: 08/31/2011

Next Scheduled EDR Contact: 12/12/2011 Data Release Frequency: Quarterly

#### UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 08/01/2011 Date Data Arrived at EDR: 08/01/2011 Date Made Active in Reports: 08/26/2011

Number of Days to Update: 25

Source: Department of Natural Resources & Environment

Telephone: 517-241-1515 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

# DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 07/26/2011 Date Data Arrived at EDR: 07/28/2011 Date Made Active in Reports: 09/09/2011

Number of Days to Update: 43

Source: Department of Natural Resources & Environment

Telephone: 517-335-4586 Last EDR Contact: 07/25/2011

Next Scheduled EDR Contact: 11/07/2011 Data Release Frequency: Varies

#### NPDES: List of Active NPDES Permits

General information regarding NPDES (National Pollutant Discharge Elimination System) permits and NPDES Storm Water permits.

Date of Government Version: 07/12/2011 Date Data Arrived at EDR: 07/12/2011 Date Made Active in Reports: 07/29/2011

Number of Days to Update: 17

Source: Department of Natural Resources & Environment

Telephone: 517-241-1300 Last EDR Contact: 07/12/2011

Next Scheduled EDR Contact: 10/24/2011 Data Release Frequency: Varies

AIRS: Permit and Emissions Inventory Data Permit and emissions inventory data.

> Date of Government Version: 01/12/2011 Date Data Arrived at EDR: 01/14/2011 Date Made Active in Reports: 02/18/2011

Number of Days to Update: 35

Source: Department of Natural Resources & Environment

Telephone: 517-373-7074 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Varies

#### BEA: BASELINE ENVIRONMENTAL ASSESSMENT DATABASE

A Baseline Environmental Assessment (BEA) allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property.

Date of Government Version: 08/29/2011 Date Data Arrived at EDR: 08/31/2011 Date Made Active in Reports: 09/09/2011

Number of Days to Update: 9

Source: Department of Natural Resources & Environment

Telephone: 517-373-9541 Last EDR Contact: 08/22/2011

Next Scheduled EDR Contact: 12/05/2011 Data Release Frequency: Semi-Annually

#### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 07/22/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Semi-Annually

#### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 07/15/2011

Next Scheduled EDR Contact: 11/07/2011 Data Release Frequency: Varies

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 07/22/2011

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: N/A

#### PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008 Date Data Arrived at EDR: 02/18/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 100

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 08/05/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010 Date Data Arrived at EDR: 01/03/2011 Date Made Active in Reports: 03/21/2011

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 09/16/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

Coal fired power plants in Southeast Michigan that have coal ash handling on site.

Date of Government Version: 04/21/2011 Date Data Arrived at EDR: 04/21/2011 Date Made Active in Reports: 05/13/2011

Number of Days to Update: 22

Source: Department of Natural Resources & Environment

Telephone: 586-753-3754 Last EDR Contact: 07/11/2011

Next Scheduled EDR Contact: 10/24/2011 Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 06/24/2011 Date Data Arrived at EDR: 06/27/2011 Date Made Active in Reports: 07/26/2011 Number of Days to Update: 29 Source: Department of Natural Resources & Environment

Telephone: 517-335-6610 Last EDR Contact: 07/11/2011

Next Scheduled EDR Contact: 10/24/2011 Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/05/2011 Date Data Arrived at EDR: 01/07/2011 Date Made Active in Reports: 02/14/2011

Number of Days to Update: 38

Source: Department of Natural Resources & Environment

Telephone: 517-335-4034 Last EDR Contact: 07/05/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: Varies

#### **EDR PROPRIETARY RECORDS**

#### **EDR Proprietary Records**

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

### **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 08/26/2009 Date Made Active in Reports: 09/11/2009

Number of Days to Update: 16

Source: Department of Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 08/26/2011

Next Scheduled EDR Contact: 12/05/2011 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 07/20/2011 Date Made Active in Reports: 08/11/2011

Number of Days to Update: 22

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 07/20/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 08/01/2011 Date Data Arrived at EDR: 08/09/2011 Date Made Active in Reports: 09/16/2011

Number of Days to Update: 38

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 08/09/2011

Next Scheduled EDR Contact: 11/21/2011 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 12/01/2009 Date Made Active in Reports: 12/14/2009

Number of Days to Update: 13

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 06/24/2011 Date Made Active in Reports: 06/30/2011

Number of Days to Update: 6

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 08/31/2011

Next Scheduled EDR Contact: 12/12/2011 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010 Date Data Arrived at EDR: 08/19/2011 Date Made Active in Reports: 09/15/2011

Number of Days to Update: 27

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

#### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

#### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes

Source: Bureau of REgulatory Services

Telephone: 517-373-8300

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources

Telephone: 517-241-2254

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## STREET AND ADDRESS INFORMATION

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# **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

INDUSTRIAL PROPERTY E LAKETON AVE MUSKEGON, MI 49442

### **TARGET PROPERTY COORDINATES**

Latitude (North): 43.21880 - 43° 13' 7.7" Longitude (West): 86.1989 - 86° 11' 56.0"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 565066.1 UTM Y (Meters): 4785209.0

Elevation: 633 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map: 43086-B2 MUSKEGON EAST, MI

Most Recent Revision: 1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

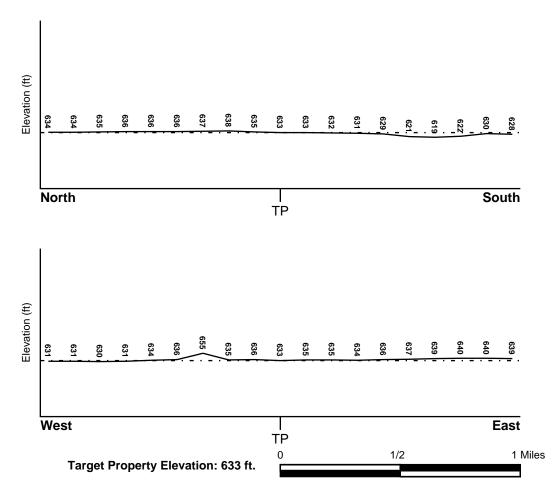
### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

#### **HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE** 

FEMA Flood Electronic Data

Target Property County MUSKEGON, MI

YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

2601610002B - FEMA Q3 Flood data

Additional Panels in search area:

2601610001B - FEMA Q3 Flood data 2601630010C - FEMA Q3 Flood data 00000000000 - FEMA Q3 Flood data 2601650001A - FEMA Q3 Flood data

**NATIONAL WETLAND INVENTORY** 

NWI Electronic

NWI Quad at Target Property

Data Coverage

MUSKEGON EAST

YES - refer to the Overview Map and Detail Map

#### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## Site-Specific Hydrogeological Data\*:

Search Radius: 1.25 miles Status: Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION
MAP ID FROM TP GROUNDWATER FLOW

Not Reported

## **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### **GEOLOGIC AGE IDENTIFICATION**

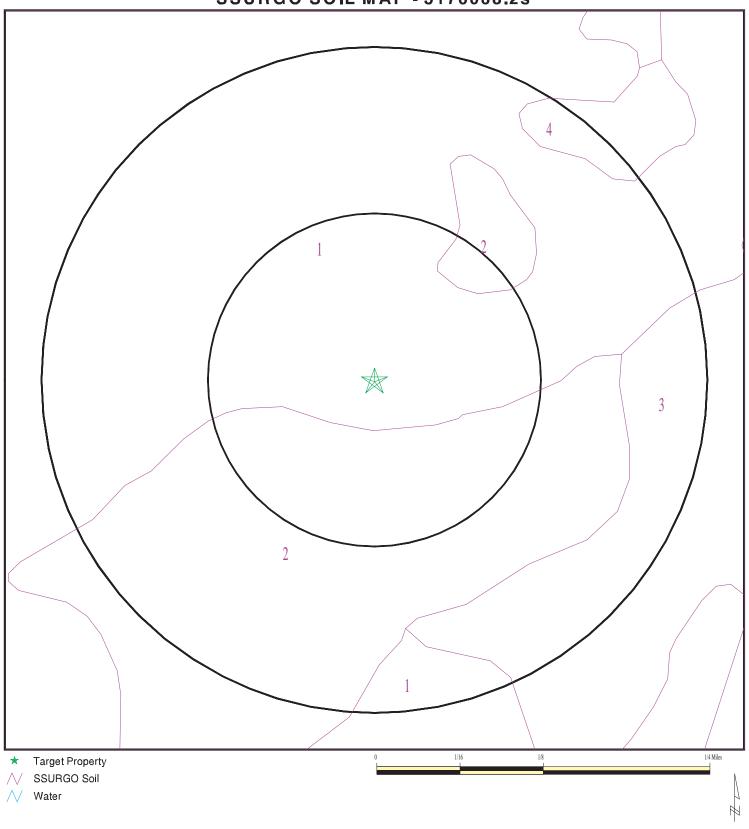
Era: Paleozoic Category: Stratified Sequence

System: Mississippian

Series: Osagean and Kinderhookian Series
Code: M1 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 3176068.2s



SITE NAME: Industrial Property ADDRESS: E LAKETON AVE Muskegon MI 49442 LAT/LONG: 43.2188 / 86.1989

CLIENT: Envirologic Technologies, Inc. CONTACT: David Stegink INQUIRY #: 3176068.2s

DATE: September 29, 2011 4:56 pm

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Rubicon

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
	Воц	ındary		Classi	Classification		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	
1	0 inches	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1
2	5 inches	27 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1
3	27 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1

Soil Map ID: 2

Soil Component Name: Roscommon
Soil Surface Texture: loamy sand

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be

drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Soil Layer Information						
	Вои	ındary		Classit	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	5 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6
2	5 inches	35 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6
3	35 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6

## Soil Map ID: 3

Soil Component Name: Croswell

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

			Soil Layer	Information			
Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	7 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.1
2	7 inches	11 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.1
3	11 inches	24 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.1
4	24 inches	42 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.1
5	42 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 5.1

# Soil Map ID: 4

Soil Component Name: Au Gres

Soil Surface Texture: sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

			<u> </u>	r Information		0-111	
	Bou	ındary		Classif	fication	Saturated hydraulic conductivity micro m/sec (pH)	
Layer	Upper	Lower	Soil Texture Class	il Texture Class AASHTO Group Unified So	Unified Soil		Soil Reaction (pH)
1	0 inches	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.6 Min: 4.5
2	5 inches	11 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.6 Min: 4.5
3	11 inches	33 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.6 Min: 4.5
4	33 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.6 Min: 4.5

## **LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
13	USGS2343308	1/2 - 1 Mile WNW
B19	USGS2343304	1/2 - 1 Mile East
23	USGS2343478	1/2 - 1 Mile SSE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

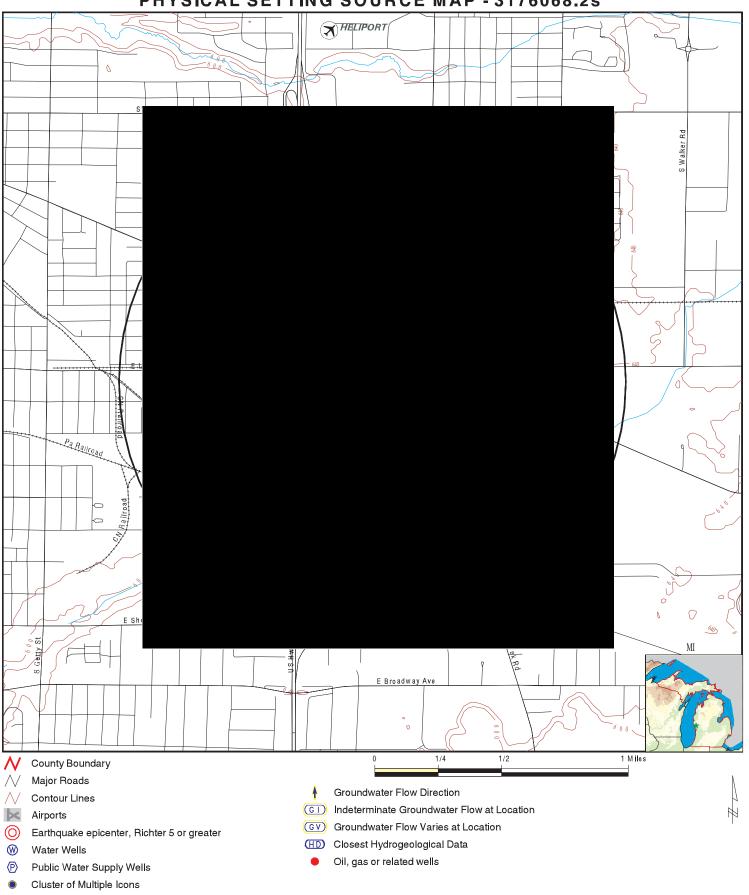
No PWS System Found

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	MI20228947	0 - 1/8 Mile NNW
2	MI20229004	1/8 - 1/4 Mile SSW
3	MI20231296	1/4 - 1/2 Mile WSW
4	MI20228953	1/4 - 1/2 Mile North
5	MI20232908	1/4 - 1/2 Mile NNW
6	MI20231284	1/2 - 1 Mile NW
7	MI20233038	1/2 - 1 Mile ESE
8	MI20229002	1/2 - 1 Mile West
9	MI20228946	1/2 - 1 Mile NE
10	MI20229003	1/2 - 1 Mile SE
A11	MI20228957	1/2 - 1 Mile WNW
12	MI20228948	1/2 - 1 Mile NE
A14	MI20233334	1/2 - 1 Mile WNW
A15	MI20228956	1/2 - 1 Mile WNW
16	MI20228945	1/2 - 1 Mile NNE
B17	MI20229009	1/2 - 1 Mile East
18	MI20228949	1/2 - 1 Mile NE
20	MI20228950	1/2 - 1 Mile NNW
21	MI20232562	1/2 - 1 Mile SW
22	MI20233504	1/2 - 1 Mile NNW
24	MI20227598	1/2 - 1 Mile South
25	MI20228958	1/2 - 1 Mile NW

# PHYSICAL SETTING SOURCE MAP - 3176068.2s



SITE NAME: Industrial Property ADDRESS:

E LAKETON AVE Muskegon MI 49442 LAT/LONG: 43.2188 / 86.1989

CLIENT: Envirologic Technologies, Inc. CONTACT: David Stegink

INQUIRY#: 3176068.Žs

September 29, 2011 4:56 pm DATE:

Мар	ID
Dire	ction
Dista	ance

Distance				
Elevation			Database	EDR ID Number
1 NNW 0 - 1/8 Mile Higher			MI WELLS	MI20228947
Wellid:	61000002584	Import id:	61101627007	
County:	Muskegon	Township:	Muskegon	
Town range:	10N 16W	Section:	27	
Owner name:	CASHWAY LUMBER			
Well addr:	1800 E LAKETON			
Well depth:	30			
Well type:	Industrial			
Wssn:	0			
Well num:	Not Reported	Driller id:	471	
Const date:	1969-05-05 00:00:00.000	Case type:	Unknown	
Case dia:	2			
Case depth:	22			
Screen frm:	22			
Screen to:	30			
Swl:	7			
Test depth:	0			
Test hours:	0			
Test rate:	0	Test methd:	Unknown	
Grouted:	0	Pmp cpcity:	0	
Latitude:	43.2200611509			
Longitude:	-86.1995814321			
Methd coll:	Interpolation-Map			
Elevation:	632	Daniel Care	Nat Danastad	
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported	
Elev flag:	Not Reported			
Swl flag:	Not Reported	Flour diff	4	
Elev dem: Elev miv:	633 632	Elev dif:	1 Drift Well	
Aq flag:	Not Reported	Aq code: Pct aq:	100	
Pct aq d:	100	Pct aq r:	0	
Pct aq d. Pct maq:	0	Pct maq d:	0	
Pct maq r:	0	Pct cm:	0	
Pct cm d:	0	Pct cm r:	0	
Pct pcm:	0	Pct pcm d:	0	
Pct pcm r:	0	Pct na:	0	
Pct na d:	0	Pct na r:	0	
Pct flag:	Not Reported	Rock top:	-1	
D r type:	Not Reported	Spc cpcity:	0	
A thicknes:	23	A pct aq:	100	
A pct maq:	0	A pct pcm:	0	
A pct cm:	0	A pct na:	0	
A thickns2:	23	A pct aq2:	100	
A pct maq2:	0	A pct pcm2:	0	
A pct cm2:	0	A pct na2:	0	
A hit swl:	Т	A hit top:	F	
A hit rock:	F	A sc lith1:	Sand	
A sc Imod1:	Wet/Moist	A sc Imaq1:	AQ	
A sc lpct1:	100	A sc lith2:	Not Reported	
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported	
A sc lpct2:	0	Pct aq 1:	100	
Pct maq 1:	0	Pct cm 1:	0	
Pct pcm 1:	0	Pct na 1:	0	

Pct aq 2: 0 Pct cm 2: 0 Pct na 2: 0 Pct maq 3: 0 0 Pct pcm 3: Pct aq 4: 0 Pct cm 4: 0 Pct na 4: 0 Pct maq 5: 0 Pct pcm 5: 0 0 Pct aq 6: Pct cm 6: 0 Pct na 6: 0 Pct maq 7: 0 Pct pcm 7: 0 0 Pct aq 8: Pct cm 8: 0 Pct na 8: 0 Pct maq 9: 0 Pct pcm 9: 0 Pct aq 10: 0 Pct cm 10: 0 Pct na 10: 0 Pct maq 11: 0 Pct pcm 11: 0 Pct aq 12: 0 Pct cm 12: 0 Pct na 12: 0 Pct maq 13: 0 0 Pct pcm 13: Within sec: Υ Aq code 1: D Т Hit swl: 23 Athk2: Horiz Conduct: 50 Vert Conduct: 50 T2: 1150 D50plek: 45.67971

Pct maq 2: 0 Pct pcm 2: 0 0 Pct aq 3: Pct cm 3: 0 Pct na 3: 0 0 Pct maq 4: Pct pcm 4: 0 Pct aq 5: 0 Pct cm 5: 0 0 Pct na 5: Pct maq 6: 0 Pct pcm 6: 0 Pct aq 7: 0 0 Pct cm 7: 0 Pct na 7: Pct maq 8: 0 Pct pcm 8: 0 Pct aq 9: 0 Pct cm 9: 0 Pct na 9: 0 Pct maq 10: 0 Pct pcm 10: 0 0 Pct aq 11: Pct cm 11: 0 0 Pct na 11: Pct mag 12: 0 0 Pct pcm 12: Pct aq 13: 0 Pct cm 13: 0 Pct na 13: 0 Loc match: Υ

**SSW** MI WELLS 1/8 - 1/4 Mile Higher

Wellid: 61000002699 Import id: County: Muskegon Township: Town range: 10N 16W Section:

COCA-COLA BOTTLING CO. Owner name:

Well addr: 1770 KEATING

Well depth: 64 Well type: Industrial Wssn: 0

Well num: Not Reported

Driller id: 471 Const date: 1972-11-17 00:00:00.000 Case type: Unknown

Case dia:

61101634009

Muskegon

34

MI20229004

Case depth: 52 Screen frm: 52 Screen to: 64 17 Swl: 0 Test depth: Test hours: 0 Test rate: 0 Test methd: Unknown Grouted: 0 Pmp cpcity: 43.2159947443 Latitude: -86.2009111881 Longitude: Methd coll: Interpolation-Map Elevation: Elev methd: Topographoc Map Interpolation Depth flag: Not Reported Elev flag: Not Reported Swl flag: Not Reported 630 Elev dem: Elev dif: Drift Well Elev miv: 637 Aq code: Not Reported 100 Aq flag: Pct aq: 100 0 Pct aq d: Pct aq r: Pct mag: 0 Pct mag d: 0 Pct mag r: 0 Pct cm: 0 Pct cm d: 0 Pct cm r: 0 0 Pct pcm: 0 Pct pcm d: 0 0 Pct pcm r: Pct na: 0 Pct na d: 0 Pct na r: Pct flag: Not Reported Rock top: -1 0 D r type: Not Reported Spc cpcity: A thicknes: 100 47 A pct aq: A pct maq: 0 A pct pcm: 0 0 0 A pct cm: A pct na: A thickns2: 47 A pct ag2: 100 A pct maq2: 0 A pct pcm2: 0 0 0 A pct cm2: A pct na2: A hit swl: Т A hit top: F A hit rock: A sc lith1: Sand A sc Imod1: Wet/Moist A sc Imaq1: AQ Not Reported A sc lpct1: 100 A sc lith2: Not Reported Not Reported A sc Imod2: A sc Imaq2: A sc lpct2: 0 Pct aq 1: 100 Pct mag 1: 0 Pct cm 1: 0 Pct pcm 1: 0 Pct na 1: 0 0 Pct aq 2: 100 Pct maq 2: Pct cm 2: 0 0 Pct pcm 2: 0 Pct na 2: Pct aq 3: 100 Pct maq 3: 0 Pct cm 3: 0 Pct pcm 3: 0 Pct na 3: 0 Pct aq 4: 0 Pct maq 4: 0 Pct cm 4: 0 Pct pcm 4: 0 0 Pct na 4: 0 Pct aq 5: Pct maq 5: 0 Pct cm 5: 0 0 0 Pct pcm 5: Pct na 5: 0 0 Pct aq 6: Pct maq 6: 0 Pct cm 6: 0 Pct pcm 6: Pct na 6: 0 Pct aq 7: 0 Pct maq 7: 0 Pct cm 7: 0 Pct pcm 7: 0 Pct na 7: 0 Pct aq 8: 0 Pct maq 8: 0 Pct cm 8: 0 Pct pcm 8: 0 Pct na 8: 0 Pct aq 9: 0 0 Pct maq 9: 0 Pct cm 9: 0 0 Pct na 9: Pct pcm 9:

Pct ag 10:	0	Pct mag 10:
Pct cm 10:	0	Pct pcm 10:
Pct na 10:	0	Pct aq 11:
Pct maq 11:	0	Pct cm 11:
Pct pcm 11:	0	Pct na 11:
Pct aq 12:	0	Pct maq 12:
Pct cm 12:	0	Pct pcm 12:
Pct na 12:	0	Pct aq 13:
Pct maq 13:	0	Pct cm 13:
Pct pcm 13:	0	Pct na 13:
Within sec:	Υ	Loc match:
Aq code 1:	D	
Hit swl:	Т	
Athk2:	47	
Horiz Conduct:	50	
Vert Conduct:	50	

3 WSW MI WELLS MI20231296

1/4 - 1/2 Mile Higher

T2:

D50plek:

Wellid:6100006110Import id:Not ReportedCounty:MuskegonTownship:MuskegonTown range:10N 16WSection:34

Owner name: Holland Neway International

2350

183.79941

Well addr: 1950 Industrial Blvd

Well depth: 50
Well type: Irrigation
Wssn: 0

Well num: Not Reported Driller id: 1563

 Case dia:
 5

 Case depth:
 40

 Screen frm:
 40

 Screen to:
 50

 Swl:
 10

 Test depth:
 40

 Test hours:
 1

Test rate: 60 Test methd: Air Grouted: 1 Pmp cpcity: 35

Latitude: 43.21761272 Longitude: -86.20432205

Methd coll: Address Matching-House Number

Elevation: 630

Elev methd: Topographoc Map Interpolation Depth flag: Not Reported

Elev flag: Not Reported Swl flag: Not Reported

Elev dem: 633 Elev dif: 3

Drift Well Elev miv: 630 Aq code: Aq flag: Not Reported Pct aq: 100 Pct aq d: 100 Pct aq r: 0 Pct maq: 0 Pct maq d: 0 Pct cm: 0 0 Pct maq r:

D		B /	•
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0 Not Bonontod	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	40	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	40	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	Т	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc Imod1:	Water Bearing	A sc lmaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Υ	Loc match:	Υ
Aq code 1:	D		
Hit swl:	Т		
Athk2:	40		
Horiz Conduct:	50		
Vert Conduct:	50		
T2:	2000		
D50plek:	134.23134		

Map ID Direction Distance Elevation Database EDR ID Number **MI WELLS** MI20228953 North 1/4 - 1/2 Mile Higher Wellid: 61000002590 Import id: 61101627023 County: Muskegon Township: Muskegon 10N 16W Town range: Section: 27 Owner name: Well addr: Well depth: 28 Irrigation Well type: Wssn: 0 Well num: Driller id: 246 Not Reported 1979-07-03 00:00:00.000 Const date: Case type: Unknown 2 Case dia: Case depth: 23.6 Screen frm: 24 Screen to: 28 Swl: 12 Test depth: 0 0 Test hours: Test rate: 0 Test methd: Unknown Grouted: 0 Pmp cpcity: Latitude: Longitude: Interpolation-Map Methd coll: Elevation: 634 Elev methd: Topographoc Map Interpolation Depth flag: Not Reported Elev flag: Not Reported Not Reported Swl flag: Elev dem: 633 Elev dif: Elev miv: 634 Aq code: Drift Well Aq flag: Not Reported Pct aq: 96 0 Pct aq d: 96 Pct aq r: 0 Pct maq d: 0 Pct maq: Pct mag r: 0 Pct cm: 0 Pct cm d: 0 Pct cm r: 0 Pct pcm: 0 Pct pcm d: 0 0 Pct pcm r: Pct na: 4 Pct na r: 0 Pct na d: 4 Not Reported Pct flag: Rock top: -1 D r type: Not Reported Spc cpcity: 0 A thicknes: 16 A pct aq: 100 A pct maq: 0 0 A pct pcm: 0 0 A pct cm: A pct na: A thickns2: 16 A pct aq2: 100 A pct maq2: 0 A pct pcm2: 0 0 0 A pct cm2: A pct na2: F Т A hit swl: A hit top: A hit rock: F A sc lith1: Sand A sc Imod1: A sc Imaq1: AQ Medium A sc lpct1: 100 A sc lith2: Not Reported A sc Imod2: Not Reported A sc Imaq2: Not Reported

Pct aq 1:

Pct cm 1:

Pct na 1:

A sc lpct2:

Pct mag 1:

Pct pcm 1:

0

0

0

95

0

5

Pct aq 2: Pct cm 2: Pct na 2: Pct maq 3: Pct pcm 3: Pct aq 4: Pct cm 4: Pct na 4: Pct maq 5: Pct pcm 5: Pct aq 6: Pct cm 6: Pct na 6: Pct na 6: Pct naq 7: Pct pcm 7: Pct aq 8: Pct cm 8: Pct na 8: Pct maq 9: Pct pcm 9: Pct aq 10: Pct cm 10: Pct na 10: Pct maq 11: Pct pcm 11: Pct pcm 12: Pct maq 13: Pct pcm 13: Within sac: Within sac: Was accepted.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	-
	-
•	-
Aq code 1:	Y D
•	T
Hit swl:	=
Athk2:	16
Horiz Conduct:	50
Vert Conduct:	50
T2:	800
D50plek:	22.53865

Pct maq 2: 0 Pct pcm 2: 0 Pct aq 3: 0 0 Pct cm 3: 0 Pct na 3: Pct maq 4: 0 Pct pcm 4: 0 Pct aq 5: 0 Pct cm 5: 0 Pct na 5: 0 Pct maq 6: 0 Pct pcm 6: 0 Pct aq 7: 0 0 Pct cm 7: Pct na 7: 0 Pct maq 8: 0 0 Pct pcm 8: Pct aq 9: 0 Pct cm 9: 0 Pct na 9: 0 Pct maq 10: 0 0 Pct pcm 10: Pct aq 11: 0 0 Pct cm 11: Pct na 11: 0 Pct maq 12: 0 Pct pcm 12: 0 0 Pct aq 13: 0 Pct cm 13: Pct na 13: 0 Loc match: Υ

#### 5 NNW 1/4 - 1/2 Mile Higher

Wellid: 6100008629
County: Muskegon
Town range: 10N 16W

Owner name: Well addr:

Well depth: 36
Well type: Irrigation
Wssn: 0

Well num: Not Reported

Const date: 2003-05-16 00:00:00.000

Case dia:

MI WELLS MI20232908

Import id: Not Reported Township: Muskegon Section: 27

Driller id: 2074

Case type: Steel-Galvanized

Case depth:	26		
Screen frm:	26		
Screen to:	36		
Swl:	11		
Test depth:	15		
Test hours:	.5		
Test rate:	10	Test methd:	Plunger
Grouted:	1	Pmp cpcity:	26
Latitude:		imp opolty.	20
Longitude:			
Methd coll:	Address Matching-House Numb	er	
Elevation:	640		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported	2 opag.	. 101 . 10po. 10u
Swl flag:	Not Reported		
Elev dem:	633	Elev dif:	7
Elev miv:	640	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	100
Pct aq d:	100	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	.699999988079071
A thicknes:	25	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	25	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc Imod1:	Coarse	A sc Imaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6: Pct cm 6:	0	Pct maq 6:	0 0
	0	Pct pcm 6:	0
Pct na 6: Pct maq 7:	0	Pct aq 7: Pct cm 7:	0
Pct maq 7: Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
. 31 po o.	-		-

Pct aq 10:	0	Pct mag 10:
Pct cm 10:	0	Pct pcm 10:
Pct na 10:	0	Pct aq 11:
Pct maq 11:	0	Pct cm 11:
Pct pcm 11:	0	Pct na 11:
Pct aq 12:	0	Pct maq 12:
Pct cm 12:	0	Pct pcm 12:
Pct na 12:	0	Pct aq 13:
Pct maq 13:	0	Pct cm 13:
Pct pcm 13:	0	Pct na 13:
Within sec:	Υ	Loc match:
Aq code 1:	D	
Hit swl:	Т	
Athk2:	25	
Horiz Conduct:	100	
Vert Conduct:	100	
T2:	2500	
D50plek:	103.67894	

6 NW MI WELLS MI20231284 1/2 - 1 Mile

Wellid: 6100006082 Import id: Not Reported County: Muskegon Township: Muskegon
Town range: 10N 16W Section: 28
Owner name: Well addr:

Well depth:

Well type:

Wssn:

31

Irrigation

0

Well num: Not Reported Driller id: 2074

Const date: 2001-06-11 18:33:49.000 Case type: Steel-Galvanized

 Case dia:
 2

 Case depth:
 26

 Screen frm:
 26

 Screen to:
 31

 Swl:
 8

 Test depth:
 11

 Test hours:
 .5

 Test rate:
 8

Higher

 Test rate:
 8
 Test methd:
 Plunger

 Grouted:
 1
 Pmp cpcity:
 8

Latitude:
Longitude:

Methd coll: Address Matching-House Number

Elevation: 636

Elev methd: Topographoc Map Interpolation Depth flag: Not Reported

Elev flag: Not Reported Swl flag: Not Reported

Elev dem: 633 Elev dif: 3

Aq code: Drift Well Elev miv: 636 Aq flag: Not Reported Pct aq: 100 Pct aq d: 100 Pct aq r: 0 0 Pct maq: 0 Pct maq d: Pct cm: Pct maq r: 0 0

Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	.699999988079071
A thicknes:	23	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
•	23	•	100
A thickns2:		A pct aq2:	
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	Т	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc Imod1:	Coarse	A sc Imaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct mag 2:	0
Pct cm 2:	0	Pct pcm 2:	0
_ *** *	0	_ •	0
Pct na 2:		Pct aq 3:	
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0		0
		Pct pcm 8:	
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Ϋ́
Aq code 1:	D	200 matori.	•
Hit swl:	T		
Athk2:	23		
Horiz Conduct:	100		
Vert Conduct:	100		
T2:	2300		
D50plek:	88.12731		

Map ID Direction Distance Elevation Database EDR ID Number ESE **MI WELLS** MI20233038 1/2 - 1 Mile Higher Wellid: 61000008922 Import id: Not Reported Muskegon Township: Muskegon County: 10N 16W Town range: Section: Owner name: Well addr: Well depth: 31 Well type: Irrigation Wssn: 0 Well num: Driller id: 2040 Not Reported 2003-07-23 00:00:00.000 Const date: Case type: Steel Case dia: Case depth: 26 Screen frm: 26 Screen to: 31 Swl: 7 25 Test depth: Test hours: .5 Test rate: 30 Test methd: Air Grouted: Pmp cpcity: 25 Latitude: Longitude: Methd coll: Address Matching-House Number Elevation: 0 Elev methd: DEM30M Depth flag: Not Reported Elev flag: Elevation < DEMmin or Elevation > DEMmax Not Reported Swl flag: Elev dem: 633 633 Elev dif: Elev miv: 633 Aq code: Drift Well Aq flag: Not Reported Pct aq: 100 100 Pct aq d: Pct aq r: 0 Pct maq d: Pct maq: 0 0 Pct mag r: 0 Pct cm: 0 Pct cm r: Pct cm d: 0 0 Pct pcm: 0 Pct pcm d: 0 0 0 Pct pcm r: Pct na: Pct na r: 0 0 Pct na d: Not Reported Pct flag: Rock top: -1 D r type: Not Reported Spc cpcity: 0 A thicknes: 24 A pct aq: 100 A pct maq: 0 0 A pct pcm: 0 0 A pct cm: A pct na: A thickns2: 24 A pct aq2: 100 A pct maq2: 0 A pct pcm2: 0 0 0 A pct cm2: A pct na2: F Т A hit swl: A hit top: A hit rock: A sc lith1: Sand A sc Imod1: Water Bearing A sc Imaq1: AQ A sc lpct1: 100 A sc lith2: Not Reported A sc Imod2: Not Reported A sc Imaq2: Not Reported 100 A sc lpct2: 0 Pct aq 1: Pct mag 1: 0 Pct cm 1: 0 Pct pcm 1: 0 Pct na 1: 0

Pct aq 2: 0 Pct cm 2: 0 Pct na 2: 0 Pct maq 3: 0 0 Pct pcm 3: Pct aq 4: 0 Pct cm 4: 0 Pct na 4: 0 Pct maq 5: 0 Pct pcm 5: 0 0 Pct aq 6: Pct cm 6: 0 Pct na 6: 0 Pct maq 7: 0 Pct pcm 7: 0 Pct aq 8: 0 Pct cm 8: 0 Pct na 8: 0 Pct maq 9: 0 Pct pcm 9: 0 Pct aq 10: 0 Pct cm 10: 0 Pct na 10: 0 Pct maq 11: 0 Pct pcm 11: 0 Pct aq 12: 0 Pct cm 12: 0 Pct na 12: 0 Pct maq 13: 0 0 Pct pcm 13: Within sec: Ν Aq code 1: Not Reported Hit swl: Not Reported

Pct maq 2: Pct pcm 2: Pct aq 3: Pct cm 3: Pct na 3: Pct maq 4: Pct pcm 4: Pct aq 5: Pct cm 5: Pct na 5: Pct maq 6: Pct pcm 6: Pct aq 7: Pct cm 7: Pct na 7: Pct maq 8: Pct pcm 8: Pct aq 9: Pct cm 9: Pct na 9: Pct maq 10: Pct pcm 10: Pct aq 11: Pct cm 11: Pct na 11: Pct mag 12: Pct pcm 12: Pct aq 13: Pct cm 13: Pct na 13: Loc match:

0

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Υ

MI WELLS MI20229002

## 8 West 1/2 - 1 Mile Lower

Athk2:

T2:

D50plek:

Horiz Conduct:

Vert Conduct:

Wellid: County: Town range: Owner name: Well addr:

Well depth: Well type:

Wssn: Well num:

Not Reported 1987-05-05 00:00:00.000 Const date: Case dia:

0

0

0

0

0

0

61000002671

Muskegon

10N 16W

Irrigation

Import id: Township: Section:

61101633019 Muskegon 33

Driller id: Case type:

246 Steel-black

	00		
Case depth:	32 24		
Screen frm:	<del>= :</del>		
Screen to:	32		
Swl:	14		
Test depth: Test hours:	0		
	0	To at an other.	I lala acces
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:			
Longitude:	Internalistica Man		
Methd coll:	Interpolation-Map		
Elevation:	632	Death floor	Nat Damanta d
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported	Flavorite	0
Elev dem:	630	Elev dif:	2 Drift Well
Elev miv:	632	Aq code:	
Aq flag:	Not Reported	Pct aq:	97
Pct aq d:	97	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	3
Pct na d:	3	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	18	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	18	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	Ţ	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc Imod1:	Medium	A sc Imaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	95
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	5
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

Pct aq 10:	0	Pct maq 10:	(
Pct cm 10:	0	Pct pcm 10:	(
Pct na 10:	0	Pct aq 11:	(
Pct maq 11:	0	Pct cm 11:	(
Pct pcm 11:	0	Pct na 11:	(
Pct aq 12:	0	Pct maq 12:	(
Pct cm 12:	0	Pct pcm 12:	(
Pct na 12:	0	Pct aq 13:	(
Pct maq 13:	0	Pct cm 13:	(
Pct pcm 13:	0	Pct na 13:	(
Within sec:	Υ	Loc match:	,
Aq code 1:	D		
Hit swl:	Т		
Athk2:	18		
Horiz Conduct:	50		
Vert Conduct:	50		
T2:	900		
D50plek:	28.34537		

9 NE MI WELLS MI20228946 1/2 - 1 Mile

Higher 61101627004 Wellid: 61000002583 Import id: County: Muskegon Township: Muskegon 10N 16W Town range: Section: 27 Owner name: Well addr: Well depth: 22 Well type: Irrigation 0 Wssn:

Well num: Not Reported Driller id: 246 Const date: 1986-05-22 00:00:00.000 Case type: Steel-black Case dia: 2 Case depth: 16 Screen frm: 14 Screen to: 22 Swl: 3

Test depth: 0
Test hours: 0
Test rate: 0 Test methd: Unknown
Grouted: 0 Pmp cpcity: 0

Grouted: 0 Pmp cpcity: 0
Latitude:

Longitude:

 Methd coll:
 Interpolation-Map

 Elevation:
 640

 Elev methd:
 Topographoc Map Interpolation
 Depth flag:
 Well\_Depth < 25 feet or Well\_Depth > 1000 feet

Elev flag: Not Reported
Swl flag: Not Reported

Elev dem: 636 Elev dif: 4
Elev miv: 640 Aq code: Drift Well

Aq flag: Not Reported Pct aq: 100 Pct aq d: 100 Pct aq r: 0 0 Pct maq: 0 Pct maq d: Pct maq r: 0 Pct cm: 0

Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	19	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	19	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	Ť	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc Imod1:	Wet/Moist	A sc Imag1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	
	•	_	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
	D	Loc materi.	ı
Aq code 1:	T		
Hit swl: Athk2:			
	19		
Horiz Conduct:	50		
Vert Conduct:	50		
T2:	950		
D50plek:	31.49107		

Map ID Direction Distance Elevation Database EDR ID Number 10 **MI WELLS** MI20229003 1/2 - 1 Mile Lower Wellid: 61000002696 Import id: 61101634002 County: Muskegon Township: Muskegon 10N 16W Section: Town range: 34 Owner name: Well addr: Well depth: Well type: Household Wssn: 0 Well num: Driller id: 849 Not Reported Const date: 1979-12-13 00:00:00.000 Case type: Unknown 2 Case dia: Case depth: 24 Screen frm: 24 Screen to: 28 Swl: 8 Test depth: 0 0 Test hours: Test rate: 0 Test methd: Unknown Grouted: Pmp cpcity: Latitude: Longitude: Interpolation-Map Methd coll: Elevation: 633 Elev methd: Topographoc Map Interpolation Depth flag: Not Reported Elev flag: Not Reported Not Reported Swl flag: Elev dem: 630 Elev dif: Elev miv: 633 Aq code: Drift Well Aq flag: Not Reported Pct aq: 100 100 0 Pct aq d: Pct aq r: Pct maq d: 0 Pct maq: 0 Pct mag r: 0 Pct cm: 0 Pct cm d: 0 Pct cm r: 0 Pct pcm: 0 Pct pcm d: 0 0 0 Pct pcm r: Pct na: Pct na r: 0 Pct na d: 0 Not Reported Pct flag: Rock top: -1 D r type: Not Reported Spc cpcity: 0 A thicknes: 20 A pct aq: 100 A pct maq: 0 0 A pct pcm: 0 0 A pct cm: A pct na: 20 A thickns2: A pct aq2: 100 A pct maq2: 0 A pct pcm2: 0 0 0 A pct cm2: A pct na2: F Т A hit swl: A hit top: A hit rock: A sc lith1: Sand A sc Imod1: Water Bearing A sc Imaq1: AQ A sc lpct1: 100 A sc lith2: Not Reported A sc Imod2: Not Reported A sc Imaq2: Not Reported 100 A sc lpct2: 0 Pct aq 1: Pct mag 1: 0 Pct cm 1: 0 Pct pcm 1: 0 Pct na 1: 0

Pct maq 2: 0 Pct pcm 2: 0 Pct aq 3: 0 0 Pct cm 3: 0 Pct na 3: Pct maq 4: 0 Pct pcm 4: 0 Pct aq 5: 0 Pct cm 5: 0 Pct na 5: 0 Pct maq 6: 0 Pct pcm 6: 0 Pct aq 7: 0 Pct cm 7: 0 Pct na 7: 0 Pct maq 8: 0 0 Pct pcm 8: Pct aq 9: 0 Pct cm 9: 0 Pct na 9: 0 Pct maq 10: 0 0 Pct pcm 10: Pct aq 11: 0 0 Pct cm 11: Pct na 11: 0 Pct maq 12: 0 Pct pcm 12: 0 0 Pct aq 13: 0 Pct cm 13: Pct na 13: 0 Loc match: Υ

A11 WNW 1/2 - 1 Mile Higher

Wellid: 6100002594
County: Muskegon
Town range: 10N 16W

Owner name: Well addr:

Well depth: 31
Well type: Irrigation
Wssn: 0

Well num: Not Reported
Const date: 1970-08-20 00:00:00.000

Case dia:

MI WELLS MI20228957

Import id: 61101628008
Township: Muskegon
Section: 28

Driller id: 471 Case type: Unknown

Casa danth.	22		
Case depth: Screen frm:	23 23		
Screen to:	31		
Swl:			
Test depth:	16 0		
Test hours:	0		
		Test methd:	Linkanum
Test rate: Grouted:	0 0		Unknown 0
	O .	Pmp cpcity:	U
Latitude:			
Longitude:  Methd coll:	Internalation Man		
Elevation:	Interpolation-Map 632		
Elevation. Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
		Dерш пад.	Not Reported
Elev flag:	Not Reported		
Swl flag: Elev dem:	Not Reported	Elev dif:	1
Elev dem. Elev miv:	633 632	Ag code:	Drift Well
	Not Reported	•	97
Aq flag: Pct aq d:		Pct aq:	0
_	97 0	Pct aq r:	0
Pct maq:	0	Pct maq d: Pct cm:	0
Pct maq r:		Pct cm r:	-
Pct cm d:	0 0		0
Pct pcm:		Pct pcm d:	-
Pct pcm r:	0	Pct na:	0
Pct na d:	0 Not Deported	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type: A thicknes:	Not Reported	Spc cpcity:	0
	14	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	14	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0 T	A pct na2:	0 F
A hit swl:	F	A hit top:	=
A hit rock:	•	A sc lith1:	Sand
A sc Imod1:	Wet/Moist	A sc Imaq1:	AQ
A sc lpct1:	100 Not Deported	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0 0	Pct cm 1: Pct na 1:	0
Pct pcm 1:			0
Pct aq 2:	0	Pct maq 2:	-
Pct cm 2:	0 0	Pct pcm 2:	0
Pct na 2:		Pct aq 3:	-
Pct maq 3:	0	Pct cm 3: Pct na 3:	0
Pct pcm 3:	0 0		0 0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5: Pct cm 5:	0
Pct maq 5:	0		0
Pct pcm 5:		Pct na 5: Pct mag 6:	0
Pct aq 6:	0 0	•	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:		Pct aq 7:	
Pct maq 7:	0 0	Pct cm 7:	0
Pct pcm 7:		Pct na 7:	
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

Pct aq 10: 0 Pct maq 10: 0 Pct cm 10: 0 Pct pcm 10: 0 0 Pct na 10: 0 Pct aq 11: 0 0 Pct maq 11: Pct cm 11: Pct pcm 11: 0 Pct na 11: 0 Pct aq 12: 0 0 Pct maq 12: Pct cm 12: 0 Pct pcm 12: 0 Pct na 12: 0 Pct aq 13: 0 0 Pct maq 13: 0 Pct cm 13: Pct na 13: 0 Pct pcm 13: 0 Υ Within sec: Υ Loc match: Aq code 1: Not Reported Hit swl: Not Reported Athk2: 0

12 NE 1/2 - 1 Mile Higher

0

0

0

0

 Wellid:
 6100002585
 Import id:
 61101627016

 County:
 Muskegon
 Township:
 Muskegon

 Town range:
 10N 16W
 Section:
 27

Owner name: Well addr:

Horiz Conduct:

Vert Conduct:

T2:

D50plek:

Well depth: 25
Well type: Irrigation
Wssn: 0

 Wssn:
 0

 Well num:
 Not Reported
 Driller id:
 246

 Const date:
 1978-08-08 00:00:00.000
 Case type:
 Unknown

Case dia: 2 Case depth: 16 Screen frm: 20 25 Screen to: Swl: 10 Test depth: 0 0 Test hours: 0 Test rate:

Test rate: 0 Test methd: Unknown Grouted: 0 Pmp opcity: 0

Latitude: Longitude:

Methd coll: Interpolation-Map

Elevation: 642

Elev methd: Topographoc Map Interpolation Depth flag: Not Reported

Elev flag: Not Reported Swl flag: Not Reported

Elev dem: 640 Elev dif: 2

Drift Well Elev miv: 642 Aq code: Aq flag: Not Reported Pct aq: 96 Pct aq d: 96 Pct aq r: 0 0 Pct maq: 0 Pct maq d: 0 0 Pct maq r: Pct cm:

MI20228948

**MI WELLS** 

<b>5</b>		<b>-</b> .	
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	4
Pct na d:	4	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	15	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	15	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0_	A pct na2:	0
A hit swl:	<u>T</u>	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc lmod1:	Fine	A sc Imaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	95
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	5
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Υ	Loc match:	Υ
Aq code 1:	D		
Hit swl:	Т		
Athk2:	15		
Horiz Conduct:	41.66667		
Vert Conduct:	37.5		
T2:	625		
D50plek:	16.73061		
•			

Map ID Direction Distance

Elevation Database EDR ID Number

13 WNW 1/2 - 1 Mile

FED USGS USGS2343308

121

Higher

State:

Agency cd: USGS Site no: 431316086124801

Site name: 10N 15W 33BAA 03

EDR Site id: USGS2343308 Latitude: 431316 Longitude: 0861248 Dec lat: 43.22112657 Dec Ion: -86.21339079 Coor meth: Μ Coor accr: S Latlong datum: NAD27 NAD83 Dec latlong datum: 26 District:

Country: US Land net: NENENWS33T10NR15W

County:

Location map: MUSKEGON Map scale: 62500

Altitude: 656

Altitude method: Interpolated from topographic map

26

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929 Hydrologic: Muskegon. Michigan. Area = 2680 sq.mi.

Topographic: Not Reported

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 130 Hole depth: Not Reported

Source of depth data: Not Reported Project number: Not Reported

Not Reported Real time data flag: Not Reported Daily flow data begin date: Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date: Not Reported Water quality data count: Not Reported Ground water data end date: Not Reported

Ground water data begin date: Not Reported Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

\_\_\_\_\_

A14 WNW 1/2 - 1 Mile Higher

Wellid: 6100009328 Import id: Not Reported County: Muskegon Township: Egelston Town range: 10N 15W Section: 29

Owner name:

Well addr:

Well depth: 58

Well type: Household

Wssn:

 Well num:
 Not Reported
 Driller id:
 115

 Const date:
 2003-10-29 00:00:00.000
 Case type:
 Steel

Case dia: 4

MI WELLS

MI20233334

Case depth:	53		
Screen frm:	53		
Screen to:	58		
Swl:	13		
Test depth:	0		
Test hours:	1.5		
Test rate:	25	Test methd:	Test Pump
Grouted:	1	Pmp cpcity:	0
Latitude:			
Longitude:			
Methd coll:	Address Matching-House Number	er	
Elevation:	0		
Elev methd:	DEM30M	Depth flag:	Not Reported
Elev flag:	Elevation < DEMmin or Elevation		
Swl flag:	Not Reported		
Elev dem:	633	Elev dif:	633
Elev miv:	633	Aq code:	Drift Well
Aq flag:	Not Reported	Pct ag:	100
Pct aq d:	100	Pct ag r:	0
Pct maq:	0	Pct maq d:	0
Pct mag r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
_ '	0	Pct na:	0
Pct pcm r: Pct na d:	0	Pct na r:	0
Pct flag:	_	Rock top:	-1
•	Not Reported Not Reported	•	0
D r type:	•	Spc cpcity:	-
A thicknes:	45	A pct aq:	100 0
A pct maq:	0	A pct pcm:	-
A pct cm:	0	A pct na:	0
A thickns2:	45	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0 F
A hit swl:	T F	A hit top:	•
A hit rock:	•	A sc lith1:	Sand
A sc Imod1:	Fine	A sc Imaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

	_		_
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	N	Loc match:	Υ
Aq code 1:	Not Reported		
Hit swl:	Not Reported		
Athk2:	0		
Horiz Conduct:	0		
Vert Conduct:	0		
T2:	0		
D50plek:	0		
•			

A15
WNW MI WELLS MI20228956
1/2 - 1 Mile

Higher 61101628007 Wellid: 61000002593 Import id: County: Muskegon Township: Muskegon 10N 16W Town range: Section: 28 Owner name: Well addr: Well depth: Irrigation Well type: Wssn: 0 Well num: Not Reported Driller id: 471 Const date: 1982-05-21 00:00:00.000 Case type: Unknown Case dia: 2 Case depth: 28 Screen frm: 28 Screen to: 34 Swl: 15 Test depth: 0 0 Test hours: Test rate: 0 Test methd: Unknown Grouted: 0 Pmp cpcity: Latitude: Longitude: Interpolation-Map Methd coll: Elevation: 633 Elev methd: Topographoc Map Interpolation Not Reported Depth flag: Elev flag: Not Reported Swl flag: Not Reported Elev dem: 633 Elev dif: 0 Aq code: Drift Well Elev miv: 633 Aq flag: Not Reported Pct aq: 100 Pct aq d: 100 Pct aq r: 0 0 0 Pct maq: Pct maq d: Pct maq r: 0 Pct cm: 0

Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	19	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	19	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	Ť	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc Imod1:	Wet/Moist	A sc Imag1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	
	•	_	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	0	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Y	Loc match:	Y
	D	Loc materi.	ı
Aq code 1:	T		
Hit swl: Athk2:			
	19		
Horiz Conduct:	50		
Vert Conduct:	50		
T2:	950		
D50plek:	31.49107		

Map ID Direction Distance Elevation Database EDR ID Number NNE **MI WELLS** MI20228945 1/2 - 1 Mile Higher Wellid: 61000002582 Import id: 61101627003 County: Muskegon Township: Muskegon 10N 16W Town range: Section: 27 Owner name: Well addr: Well depth: 25 Irrigation Well type: Wssn: 0 Well num: Driller id: 246 Not Reported 1986-06-03 00:00:00.000 Const date: Case type: Steel-black 2 Case dia: Case depth: 25 Screen frm: 17 Screen to: 25 Swl: 6 Test depth: 0 0 Test hours: Test rate: 0 Test methd: Unknown Grouted: Pmp cpcity: Latitude: Longitude: Interpolation-Map Methd coll: Elevation: 643 Elev methd: Topographoc Map Interpolation Depth flag: Not Reported Elev flag: Not Reported Not Reported Swl flag: Elev dem: 636 Elev dif: Elev miv: 643 Aq code: Drift Well Aq flag: Not Reported Pct aq: 100 100 0 Pct aq d: Pct aq r: Pct maq d: 0 Pct maq: 0 Pct mag r: 0 Pct cm: 0 Pct cm d: 0 Pct cm r: 0 Pct pcm: 0 Pct pcm d: 0 0 0 Pct pcm r: Pct na: Pct na r: 0 Pct na d: 0 Not Reported Pct flag: Rock top: -1 D r type: Not Reported Spc cpcity: 0 A thicknes: 19 A pct aq: 100 A pct maq: 0 0 A pct pcm: 0 0 A pct cm: A pct na: A thickns2: 19 A pct aq2: 100 A pct maq2: 0 A pct pcm2: 0 0 0 A pct cm2: A pct na2: F Т A hit swl: A hit top: A hit rock: F A sc lith1: Sand A sc Imod1: A sc Imaq1: AQ Medium A sc lpct1: 100 A sc lith2: Not Reported A sc Imod2: Not Reported A sc Imaq2: Not Reported 100 A sc lpct2: 0 Pct aq 1: Pct mag 1: 0 Pct cm 1: 0 Pct pcm 1: 0 Pct na 1: 0

Pct maq 2: 0 Pct pcm 2: 0 Pct aq 3: 0 0 Pct cm 3: 0 Pct na 3: Pct maq 4: 0 Pct pcm 4: 0 Pct aq 5: 0 Pct cm 5: 0 Pct na 5: 0 Pct maq 6: 0 Pct pcm 6: 0 Pct aq 7: 0 Pct cm 7: 0 Pct na 7: 0 Pct maq 8: 0 0 Pct pcm 8: Pct aq 9: 0 Pct cm 9: 0 Pct na 9: 0 Pct maq 10: 0 0 Pct pcm 10: Pct aq 11: 0 0 Pct cm 11: Pct na 11: 0 Pct maq 12: 0 Pct pcm 12: 0 0 Pct aq 13: 0 Pct cm 13: Pct na 13: 0 Loc match: Υ

B17 East 1/2 - 1 Mile Higher

> Wellid: 61000002704 County: Muskegon 10N 16W Town range:

Owner name: Well addr:

Well depth: 44

Well type: Household 0

Wssn:

Well num: Not Reported 1969-07-07 00:00:00.000 Const date:

Case dia:

MI WELLS MI20229009

61101635021 Import id: Township: Muskegon Section: 35

Driller id: 246 Case type: Unknown

Case depth:	39		
Screen frm:	39		
Screen to:	44		
Swl:	6		
Test depth:	0		
Test hours:	0		
Test rate:	0	Test methd:	Unknown
Grouted:	1	Pmp cpcity:	0
Latitude:			
Longitude:			
Methd coll:	Interpolation-Map		
Elevation:	641		
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported		
Elev dem:	640	Elev dif:	1
Elev miv:	641	Aq code:	Drift Well
Aq flag:	Not Reported	Pct aq:	100
Pct aq d:	100	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	38	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	38	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0	A pct na2:	0
A hit swl:	T	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc Imod1:	Wet/Moist	A sc Imag1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct mag 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct mag 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0
i ot point o.	•	i otila o.	J

Pct aq 10:	0	Pct maq 10:
Pct cm 10:	0	Pct pcm 10:
Pct na 10:	0	Pct aq 11:
Pct maq 11:	0	Pct cm 11:
Pct pcm 11:	0	Pct na 11:
Pct aq 12:	0	Pct maq 12:
Pct cm 12:	0	Pct pcm 12:
Pct na 12:	0	Pct aq 13:
Pct maq 13:	0	Pct cm 13:
Pct pcm 13:	0	Pct na 13:
Within sec:	Υ	Loc match:
Aq code 1:	D	
Hit swl:	Т	
Athk2:	38	
Horiz Conduct:	50	
Vert Conduct:	50	
T2:	1900	

121.46406

D50plek:

18
NE
MI WELLS
MI20228949
1/2 - 1 Mile

Higher 61101627017 Wellid: 61000002586 Import id: County: Muskegon Township: Muskegon 10N 16W Town range: Section: 27 Owner name: Well addr: Well depth: 21 Well type: Irrigation 0 Wssn:

Well num: Not Reported Driller id: 246 Const date: Not Reported Case type: Unknown Case dia: Case depth: 21 Screen frm: 13 Screen to: 21 Swl: 2 Test depth: 0 0 Test hours:

Test rate: 0 Test methd: Unknown Grouted: 1 Pmp cpcity: 0

Latitude:
Longitude:

Methd coll: Interpolation-Map
Elevation: 642

Elev methd: Topographoc Map Interpolation Depth flag: Well\_Depth < 25 feet or Well\_Depth > 1000 feet Elev flag: Not Reported

Swl flag: Not Reported
Elev dem: 640 Elev dif: 2

Aq code: Drift Well Elev miv: 642 Aq flag: Not Reported Pct aq: 95 Pct aq d: 95 Pct aq r: 0 0 0 Pct maq: Pct maq d: Pct cm: Pct maq r: 0 0

Pct cm d: Pct pcm:	0
_ '	0
Pct pcm r: Pct na d:	5
	-
Pct flag:	Not Reported
D r type:	Not Reported
A thicknes:	19
A pct maq:	0
A pct cm:	0
A thickns2:	19
A pct maq2:	0
A pct cm2:	0
A hit swl:	Т
A hit rock:	F
A sc Imod1:	Wet/Moist
A sc lpct1:	62
A sc Imod2:	Medium
A sc lpct2:	38
Pct maq 1:	0
Pct pcm 1:	0
Pct aq 2:	0
Pct cm 2:	0
Pct na 2:	0
Pct maq 3:	0
Pct pcm 3:	0
Pct aq 4:	0
Pct cm 4:	0
Pct na 4:	0
Pct mag 5:	0
Pct pcm 5:	0
Pct aq 6:	0
Pct cm 6:	0
Pct na 6:	0
Pct maq 7:	0
Pct pcm 7:	0
Pct aq 8:	0
Pct cm 8:	0
Pct na 8:	0
_	0
Pct maq 9:	-
Pct pcm 9:	0
Pct aq 10:	0
Pct cm 10:	-
Pct na 10:	0
Pct maq 11:	0
Pct pcm 11:	0
Pct aq 12:	0
Pct cm 12:	0
Pct na 12:	0
Pct maq 13:	0
Pct pcm 13:	0
Within sec:	Υ
Aq code 1:	D
Hit swl:	Т
Athk2:	19
Horiz Conduct:	50
Vert Conduct:	50
T2:	950
D50plek:	31.49107

Pct cm r: 0 0 5 Pct pcm d: Pct na: 0 Pct na r: Rock top: -1 0 Spc cpcity: A pct aq: A pct pcm: 0 0 A pct na: A pct aq2: 0 A pct pcm2: A pct na2: 0 F A hit top: A sc lith1: A sc Imaq1: A sc lith2: A sc Imaq2: Pct aq 1: Pct cm 1: 0 Pct na 1: 5 Pct maq 2: 0 0 Pct pcm 2: 0 Pct aq 3: Pct cm 3: 0 Pct na 3: 0 Pct maq 4: 0 0 Pct pcm 4: 0 Pct aq 5: 0 Pct cm 5: Pct na 5: 0 0 Pct maq 6: 0 Pct pcm 6: 0 Pct aq 7: Pct cm 7: 0 Pct na 7: 0 0 Pct maq 8: Pct pcm 8: 0 Pct aq 9: 0 Pct cm 9: 0 Pct na 9: 0 0 Pct maq 10: 0 Pct pcm 10: Pct aq 11: 0 Pct cm 11: 0 Pct na 11: 0 Pct maq 12: 0 0 Pct pcm 12: 0 Pct aq 13: Pct cm 13: 0 Pct na 13: Υ Loc match:

100 100 Sand AQ Sand AQ 95

Map ID Direction Distance

Elevation Database EDR ID Number

B19 East FED USGS USGS2343304

1/2 - 1 Mile Higher

Agency cd: USGS Site no: 431313086105801

Site name: 10N 16W 35BBB 01

EDR Site id: USGS2343304 Latitude: 431313 Longitude: 0861058 Dec lat: 43.22029378 Dec Ion: -86.18283438 Coor meth: Μ Coor accr: S Latlong datum: NAD27 NAD83 Dec latlong datum: 26 District:

State: 26 County: 121

Country: US Land net: NWNWNWS35T10NR16W Location map: MUSKEGON Map scale: 62500

Altitude: 635

Altitude method: Interpolated from topographic map

Altitude accuracy: 5

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: Pere MarquetteWhite. Michigan. Area = 2100 sq.mi.

Topographic: Not Reported

Site type: Ground-water other than Spring Date construction: 19690707

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 44.0 Hole depth: Not Reported

Source of depth data: Not Reported Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date:0000-00-00Peak flow data end date:0000-00-00Peak flow data count:0Water quality data begin date:0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1969-07-07 Ground water data end date: 1969-07-07

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1969-07-07 6.00

20 MI WELLS MI20228950

1/2 - 1 Mile Lower

 Wellid:
 6100002587
 Import id:
 61101627018

 County:
 Muskegon
 Township:
 Muskegon

 Town range:
 10N 16W
 Section:
 27

Owner name: Well addr:

Well depth: 43

Well type: Household

Wssn:

 Well num:
 Not Reported
 Driller id:
 134

 Const date:
 1968-06-11 00:00:00:00
 Case type:
 Unknown

Case dia: 2

One and another	04		
Case depth:	31 37		
Screen frm:			
Screen to:	43		
Swl:	16.5		
Test depth:	0		
Test hours:	0	To at we attend	I la la accora
Test rate:	0	Test methd:	Unknown
Grouted:	0	Pmp cpcity:	0
Latitude:			
Longitude:	Internalistics Man		
Methd coll:	Interpolation-Map		
Elevation:	633	Daniel flam	Nat Daniela
Elev methd:	Topographoc Map Interpolation	Depth flag:	Not Reported
Elev flag:	Not Reported		
Swl flag:	Not Reported	Flandif.	0
Elev dem:	630	Elev dif:	3 Drift Well
Elev miv:	633	Aq code:	
Aq flag:	Not Reported	Pct aq:	100
Pct aq d:	100	Pct aq r:	0
Pct maq:	0	Pct maq d:	0
Pct maq r:	0	Pct cm:	0
Pct cm d:	0	Pct cm r:	0
Pct pcm:	0	Pct pcm d:	0
Pct pcm r:	0	Pct na:	0
Pct na d:	0	Pct na r:	0
Pct flag:	Not Reported	Rock top:	-1
D r type:	Not Reported	Spc cpcity:	0
A thicknes:	27	A pct aq:	100
A pct maq:	0	A pct pcm:	0
A pct cm:	0	A pct na:	0
A thickns2:	27	A pct aq2:	100
A pct maq2:	0	A pct pcm2:	0
A pct cm2:	0_	A pct na2:	0
A hit swl:	<u>T</u>	A hit top:	F
A hit rock:	F	A sc lith1:	Sand
A sc Imod1:	Not Reported	A sc Imaq1:	AQ
A sc lpct1:	100	A sc lith2:	Not Reported
A sc Imod2:	Not Reported	A sc Imaq2:	Not Reported
A sc lpct2:	0	Pct aq 1:	100
Pct maq 1:	0	Pct cm 1:	0
Pct pcm 1:	0	Pct na 1:	0
Pct aq 2:	100	Pct maq 2:	0
Pct cm 2:	0	Pct pcm 2:	0
Pct na 2:	0	Pct aq 3:	0
Pct maq 3:	0	Pct cm 3:	0
Pct pcm 3:	0	Pct na 3:	0
Pct aq 4:	0	Pct maq 4:	0
Pct cm 4:	0	Pct pcm 4:	0
Pct na 4:	0	Pct aq 5:	0
Pct maq 5:	0	Pct cm 5:	0
Pct pcm 5:	0	Pct na 5:	0
Pct aq 6:	0	Pct maq 6:	0
Pct cm 6:	0	Pct pcm 6:	0
Pct na 6:	0	Pct aq 7:	0
Pct maq 7:	0	Pct cm 7:	0
Pct pcm 7:	0	Pct na 7:	0
Pct aq 8:	0	Pct maq 8:	0
Pct cm 8:	0	Pct pcm 8:	0
Pct na 8:	0	Pct aq 9:	0
Pct maq 9:	0	Pct cm 9:	0
Pct pcm 9:	0	Pct na 9:	0

Pct aq 10:	0	Pct maq 10:	0
Pct cm 10:	0	Pct pcm 10:	0
Pct na 10:	0	Pct aq 11:	0
Pct maq 11:	0	Pct cm 11:	0
Pct pcm 11:	0	Pct na 11:	0
Pct aq 12:	0	Pct maq 12:	0
Pct cm 12:	0	Pct pcm 12:	0
Pct na 12:	0	Pct aq 13:	0
Pct maq 13:	0	Pct cm 13:	0
Pct pcm 13:	0	Pct na 13:	0
Within sec:	Υ	Loc match:	Υ
Aq code 1:	D		
Hit swl:	T		
Athk2:	27		
Horiz Conduct:	50		

21 SW MI WELLS MI20232562 1/2 - 1 Mile

Lower

Vert Conduct:

D50plek:

Wellid:6100008084Import id:Not ReportedCounty:MuskegonTownship:MuskegonTown range:10N 16WSection:33

Owner name: ESCO

Well addr: 1221 E BARNEY AVE

50 1350

62.42034

Well depth: 66
Well type: Other
Wssn: 0

Well num: Not Reported Driller id: 2074

Const date: 2002-07-04 00:00:00.000 Case type: Steel-Galvanized

 Case dia:
 6

 Case depth:
 36

 Screen frm:
 36

 Screen to:
 66

 Swl:
 11

 Test depth:
 0

 Test hours:
 0

Test rate: 0 Test methd: Air Grouted: 1 Pmp cpcity: 200

Latitude: 43.21044972 Longitude: -86.21246525

Methd coll: Address Matching-House Number

Elevation: 604

Elev methd: Topographoc Map Interpolation Depth flag: Not Reported

Elev flag: ELEV\_DIF > 20 feet -- Abs(Elevation feet DEM\_Elevation) > 20 feet

Swl flag: Not Reported

Elev dem: 626 Elev dif: 22 Drift Well Elev miv: 604 Aq code: Aq flag: Not Reported Pct aq: 98 Pct aq d: 98 Pct aq r: 0 0 Pct maq: 0 Pct maq d: 0 2 Pct maq r: Pct cm:

Pct cm d: Pct pcm: Pct pcm r:	2 0 0
Pct na d:	0
Pct flag:	Not Reported
_	
D r type:	Not Reported
A thicknes:	55 0
A pct maq:	2
A pct cm:	
A thickns2:	55
A pct maq2:	0
A pct cm2:	2
A hit swl:	T
A hit rock:	F
A sc Imod1:	Medium
A sc lpct1:	70
A sc Imod2:	Coarse
A sc lpct2:	30
Pct maq 1:	0
Pct pcm 1:	0
Pct aq 2:	95
Pct cm 2:	5
Pct na 2:	0
Pct maq 3:	0
Pct pcm 3:	0
Pct aq 4:	0
Pct cm 4:	0
Pct na 4:	0
Pct maq 5:	0
Pct pcm 5:	0
Pct aq 6:	0
Pct cm 6:	0
Pct na 6: Pct maq 7:	0
Pct pcm 7:	0
	0
Pct aq 8: Pct cm 8:	0
Pct na 8:	0
Pct mag 9:	0
Pct pcm 9:	0
Pct aq 10:	0
Pct cm 10:	0
Pct na 10:	0
Pct maq 11:	0
Pct pcm 11:	0
Pct aq 12:	0
Pct cm 12:	0
Pct na 12:	0
Pct mag 13:	0
Pct pcm 13:	0
Within sec:	Y
Aq code 1:	D
Hit swl:	Ť
Athk2:	55
Horiz Conduct:	79.09091
Vert Conduct:	.0055
T2:	4350.0001
D50plek:	386.01653

Pct cm r: 0 Pct pcm d: 0 Pct na: 0 0 Pct na r: Rock top: -1 0 Spc cpcity: A pct aq: 98 A pct pcm: 0 0 A pct na: 98 A pct aq2: 0 A pct pcm2: A pct na2: 0 F A hit top: Sand A sc lith1: AQ A sc Imaq1: A sc lith2: Sand A sc Imaq2: AQ Pct aq 1: 100 Pct cm 1: 0 Pct na 1: 0 Pct maq 2: 0 0 Pct pcm 2: Pct aq 3: 100 Pct cm 3: 0 Pct na 3: 0 Pct maq 4: 0 0 Pct pcm 4: 0 Pct aq 5: 0 Pct cm 5: Pct na 5: 0 0 Pct maq 6: 0 Pct pcm 6: 0 Pct aq 7: Pct cm 7: 0 Pct na 7: 0 0 Pct maq 8: Pct pcm 8: 0 Pct aq 9: 0 Pct cm 9: 0 Pct na 9: 0 0 Pct maq 10: 0 Pct pcm 10: Pct aq 11: 0 Pct cm 11: 0 Pct na 11: 0 Pct maq 12: 0 0 Pct pcm 12: 0 Pct aq 13: Pct cm 13: 0 Pct na 13: Υ Loc match:

Map ID Direction Distance Elevation Database EDR ID Number 22 NNW **MI WELLS** MI20233504 1/2 - 1 Mile Higher 61000009695 Wellid: Import id: Not Reported County: Muskegon Township: Muskegon 10N 16W Town range: Section: 28 Owner name: Well addr: Well depth: Well type: Irrigation Wssn: 0 Well num: Driller id: 2074 Not Reported 2004-04-20 00:00:00.000 Const date: Case type: Steel-Galvanized Case dia: 4 Case depth: 44 Screen frm: 44 Screen to: 54 Swl: 15 Test depth: 17 Test hours: .5 Test rate: 14 Test methd: Plunger Grouted: Pmp cpcity: 55 Latitude: Longitude: Methd coll: Address Matching-House Number Elevation: 617 Elev methd: Topographoc Map Interpolation Depth flag: Not Reported Elev flag: Not Reported Not Reported Swl flag: Elev dem: 630 Elev dif: 13 Elev miv: 617 Aq code: Drift Well Aq flag: Not Reported Pct aq: 100 100 0 Pct aq d: Pct aq r: Pct maq d: 0 Pct maq: 0 Pct mag r: 0 Pct cm: 0 Pct cm d: 0 Pct cm r: 0 Pct pcm: 0 Pct pcm d: 0 0 0 Pct pcm r: Pct na: Pct na r: 0 Pct na d: 0 Not Reported Pct flag: Rock top: -1 D r type: Not Reported Spc cpcity: .800000011920929 A thicknes: 39 A pct aq: 100 A pct maq: 0 0 A pct pcm: 0 0 A pct cm: A pct na: 39 A thickns2: A pct aq2: 100 A pct maq2: 0 A pct pcm2: 0 0 0 A pct cm2: A pct na2: Т F A hit swl: A hit top: A hit rock: F A sc lith1: Sand A sc Imod1: A sc Imaq1: AQ Coarse A sc lpct1: 100 A sc lith2: Not Reported A sc Imod2: Not Reported A sc Imaq2: Not Reported 100 A sc lpct2: 0 Pct aq 1: Pct mag 1: 0 Pct cm 1: 0

Pct na 1:

Pct pcm 1:

0

0

Pct mag 2:	0
Pct pcm 2:	0
Pct aq 3:	0
Pct cm 3:	0
Pct na 3:	0
Pct mag 4:	0
Pct pcm 4:	0
Pct aq 5:	0
Pct cm 5:	0
Pct na 5:	0
Pct maq 6:	0
Pct pcm 6:	0
Pct aq 7:	0
Pct cm 7:	0
Pct na 7:	0
Pct mag 8:	0
Pct pcm 8:	0
Pct aq 9:	0
Pct cm 9:	0
Pct na 9:	0
Pct maq 10:	0
Pct pcm 10:	0
Pct aq 11:	0
Pct cm 11:	0
Pct na 11:	0
Pct maq 12:	0
Pct pcm 12:	0
Pct aq 13:	0
Pct cm 13:	0
Pct na 13:	0
Loc match:	Y

23 SSE 1/2 - 1 Mile Lower

 Agency cd:
 USGS

 Site name:
 09N 16W 03ABB 01

 Latitude:
 431222

 Longitude:
 0861139

 Dec Ion:
 -86.19422315

 Coor accr:
 S

 Dec latlong datum:
 NAD83

 State:
 26

 Country:
 US

Location map: MUSKEGON

Site no: 431222086113901

 EDR Site id:
 USGS2343478

 Dec lat:
 43.20612715

 Coor meth:
 M

 Latlong datum:
 NAD27

District: 26 County: 121

Land net: NWNWNES03T09NR16W

Map scale: 62500

FED USGS

USGS2343478

Altitude: 630

Altitude method: Interpolated from topographic map

Altitude accuracy:

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: Pere MarquetteWhite. Michigan. Area = 2100 sq.mi.

Topographic: Not Reported

Site type: Ground-water other than Spring Date construction: 19710907 Date inventoried: Not Reported Mean greenwich time offset: **EST** 

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported Aquifer: Not Reported

Well depth: 43.0 Hole depth: Not Reported

Source of depth data: Not Reported

Not Reported Project number:

Real time data flag: Daily flow data begin date: 0000-00-00 0

Daily flow data end date: 0000-00-00 Daily flow data count:

Peak flow data begin date: 0000-00-00 0000-00-00 Peak flow data end date: Peak flow data count: Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count:

Ground water data begin date: 1971-09-07 Ground water data end date: 1971-09-07

Ground water data count:

Ground-water levels, Number of Measurements: 1

Feet below Feet to Date Surface Sealevel

1971-09-07 26.00

South **MI WELLS** MI20227598

1/2 - 1 Mile Lower

> Wellid: 61000000466 Import id: 61091603005 County: Muskegon Township: Fruitport 09N 16W Town range: Section: 3

Owner name: EL ROYAL RESTURANT 1695 E SHERMAN BLVD Well addr:

Well depth: 62 Well type: Other Wssn: 0

Not Reported Driller id: 849 Well num: 1982-01-20 00:00:00.000 Const date: Case type: Unknown

Case dia: Case depth: 57 Screen frm: 57 62 Screen to: Swl: 20 Test depth: 0 Test hours: 0

Test rate: 0 Test methd: Unknown

Grouted: Pmp cpcity: 0

43.2049361596 Latitude: Longitude: -86.2024613714

Methd coll:

Interpolation-Map Elevation: Elev methd: Topographoc Map Interpolation Depth flag: Not Reported Elev flag: Not Reported Swl flag: Not Reported Elev dem: 626 Elev dif: 6 Elev miv: 620 Aq code: Drift Well Aq flag: Not Reported Pct aq: 100 100 Pct aq r: 0 Pct aq d: 0 Pct maq: 0 Pct maq d: 0 Pct maq r: 0 Pct cm: Pct cm d: 0 Pct cm r: 0 Pct pcm: 0 Pct pcm d: 0 0 Pct pcm r: 0 Pct na: 0 Pct na d: 0 Pct na r: -1 Pct flag: Not Reported Rock top: D r type: Not Reported Spc cpcity: 0 100 A thicknes: 42 A pct aq: A pct maq: 0 0 A pct pcm: A pct cm: 0 A pct na: 0 A thickns2: 42 A pct aq2: 100 A pct maq2: 0 A pct pcm2: 0 0 0 A pct cm2: A pct na2: A hit swl: Т F A hit top: A hit rock: F A sc lith1: Sand A sc Imod1: Medium A sc Imag1: AQ Not Reported A sc lpct1: 100 A sc lith2: A sc Imod2: Not Reported A sc Imaq2: Not Reported 100 A sc lpct2: 0 Pct aq 1: 0 Pct cm 1: Pct maq 1: 0 Pct pcm 1: 0 Pct na 1: 0 0 Pct aq 2: 100 Pct maq 2: 0 Pct cm 2: 0 Pct pcm 2: Pct na 2: 0 Pct aq 3: 100 Pct mag 3: 0 Pct cm 3: 0 Pct pcm 3: 0 Pct na 3: 0 Pct aq 4: Pct mag 4: 0 0 Pct cm 4: Pct pcm 4: 0 0 Pct na 4: 0 Pct aq 5: 0 Pct mag 5: 0 Pct cm 5: 0 Pct pcm 5: 0 Pct na 5: 0 0 Pct aq 6: 0 Pct maq 6: Pct cm 6: 0 0 Pct pcm 6: 0 0 Pct na 6: Pct aq 7: Pct maq 7: 0 Pct cm 7: 0 Pct pcm 7: 0 Pct na 7: 0 Pct maq 8: Pct aq 8: 0 0 Pct pcm 8: Pct cm 8: 0 0 0 Pct na 8: 0 Pct aq 9: 0 Pct maq 9: 0 Pct cm 9: 0 0 Pct pcm 9: Pct na 9: 0 Pct aq 10: 0 Pct maq 10: 0 Pct cm 10: 0 Pct pcm 10: Pct aq 11: Pct na 10: 0 0 Pct maq 11: 0 Pct cm 11: 0 Pct pcm 11: 0 Pct na 11: 0 Pct aq 12: 0 Pct maq 12: 0 Pct cm 12: 0 Pct pcm 12: 0 Pct na 12: 0 Pct aq 13: 0 0 Pct maq 13: 0 Pct cm 13: 0 0 Pct na 13: Pct pcm 13:

Υ

Within sec: Υ Loc match: Ag code 1: D Т Hit swl: 42 Athk2: 36.90476 Horiz Conduct: 32.8125 Vert Conduct: T2: 1550 D50plek: 110.68101

25 NW MI WELLS MI20228958

1/2 - 1 Mile Higher

> Wellid: 61000002595 61101628011 Import id: County: Muskegon Township: Muskegon 10N 16W Section: 28 Town range: Owner name: Well addr:

Well depth: 50 Well type: Irrigation Wssn: 0

Not Reported Driller id: 134 Well num: 1968-07-16 00:00:00.000 Unknown Const date: Case type:

Case dia: 2 42 Case depth: Screen frm: 42 Screen to: 50 19 Swl: Test depth: 0 Test hours: 0

Test methd: 0 Unknown Test rate: Grouted: 0 0 Pmp cpcity:

Latitude: Longitude:

31

Methd coll: Interpolation-Map

Elevation:

A thickns2:

Elev methd: Topographoc Map Interpolation Depth flag: Not Reported

Elev flag: Not Reported Swl flag: Not Reported

Elev dem: 630 Elev dif:

5 Aq code: Drift Well Elev miv: 635 Aq flag: Not Reported Pct aq: 100 Pct aq d: 100 Pct aq r: 0 Pct maq: 0 Pct maq d: 0 Pct maq r: 0 Pct cm: 0 Pct cm d: 0 Pct cm r: 0

0 Pct pcm: 0 Pct pcm d: 0 Pct pcm r: 0 Pct na: 0 0 Pct na d: Pct na r: Not Reported Pct flag: Rock top: -1 0 D r type: Not Reported Spc cpcity: A thicknes: 31 100 A pct aq: A pct maq: 0 A pct pcm: 0 A pct cm: 0 A pct na: 0

A pct aq2:

100

A pct mag2:	0
A pct cm2:	0
A hit swl:	Ť
A hit rock:	F
A sc Imod1:	Not Reported
A sc lpct1:	100
A sc Imod2:	Not Reported
A sc lpct2:	0
Pct maq 1:	0
Pct pcm 1:	0
Pct aq 2:	100
Pct cm 2:	0
Pct na 2:	0
Pct mag 3:	0
Pct pcm 3:	0
Pct aq 4:	0
Pct cm 4:	0
Pct na 4:	0
Pct mag 5:	0
Pct pcm 5:	0
Pct aq 6:	0
Pct cm 6:	0
Pct na 6:	0
Pct maq 7:	0
Pct pcm 7:	0
Pct aq 8:	0
Pct cm 8:	0
Pct na 8:	0
Pct mag 9:	0
Pct pcm 9:	0
Pct aq 10:	0
Pct cm 10:	0
Pct na 10:	0
Pct mag 11:	0
Pct pcm 11:	0
Pct ag 12:	0
Pct cm 12:	0
Pct na 12:	0
Pct maq 13:	0
Pct pcm 13:	0
Within sec:	Ϋ́
Ag code 1:	D
Hit swl:	T
Athk2:	31
Horiz Conduct:	50
Vert Conduct:	50
T2:	1550
D50plek:	81.69312
2008.01	50001E

A pct pcm2: 0 0 F A pct na2: A hit top: A sc lith1: Sand A sc Imaq1: AQ A sc lith2: Not Reported A sc Imaq2: Not Reported Pct aq 1: 100 Pct cm 1: 0 Pct na 1: 0 Pct maq 2: 0 Pct pcm 2: 0 0 Pct aq 3: 0 Pct cm 3: Pct na 3: 0 Pct maq 4: 0 0 Pct pcm 4: Pct aq 5: 0 Pct cm 5: 0 Pct na 5: 0 Pct maq 6: 0 0 Pct pcm 6: 0 Pct aq 7: Pct cm 7: 0 Pct na 7: 0 Pct maq 8: 0 Pct pcm 8: 0 0 Pct aq 9: 0 Pct cm 9: Pct na 9: 0 0 Pct maq 10: 0 Pct pcm 10: 0 Pct aq 11: Pct cm 11: 0 Pct na 11: 0 0 Pct maq 12: 0 Pct pcm 12: Pct aq 13: 0 Pct cm 13: 0 Pct na 13: 0 Υ Loc match:

## AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
<del></del>			
49442	1/30/2006		1.3
49442	1/16/1996		1.3
49442	10/23/2001		1.3
49442	2/2/1999		1.2
49442	2/17/2001		1.3
49442	2/20/2001		1.2
49442	11/4/2002		1.2
49442	11/2/1998		1.1
49442	11/16/2005		1.1
49442	4/4/2006		1.1
49442	6/30/2008		1.1
49442	6/14/2008		1.1
49442	10/26/2001		1.0
49442	11/7/1998		1.0
49442	12/11/1998		1.0
49442	9/3/2009		1.0
49442	7/24/2006		1.0
49442	5/1/2006		1.0
49442	3/23/2007		1.0
49442	2/22/1999		1.8
49442	4/2/2007		1.8
49442	3/17/2009		1.9
49442	7/28/2009		1.9
49442	3/21/2009		1.9
49442	7/30/2007	<	0.3
49442	7/25/2007	<	0.3
49442	1/20/2004	<	0.3
49442	10/18/2006	<	0.3
49442	11/3/2006	<	0.3
49442	11/3/2006	<	0.3
49442	4/18/2005		0.5
49442	12/22/1995	<	0.3
49442	11/12/1998	<	0.3
49442	5/16/2007	<	0.3
49442	5/17/2007	<	0.3
49442	11/16/1998	<	0.3
49442	2/4/2006	<	0.3
49442	4/11/1996	<	0.3
49442	4/11/1996	<	0.3
49442	4/11/1996	<	0.3
49442	9/29/2006	<	0.3
49442	10/29/2001	<	0.3
49442	10/27/2001	<	0.3
49442	10/30/2001	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442			

## AREA RADON INFORMATION

	4/40/0005		0.0
40.440	4/18/2005	<	0.3
49442 49442	4/18/2005	<	0.3
49442 49442	4/18/2005	<	0.3
-	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	4/18/2005	<	0.3
49442	1/25/2003	<	0.3
49442	12/3/2007	<	0.3
49442	10/27/2001		0.4
49442	11/2/1998	<	0.3
49442	12/24/2001	<	0.3
49442	6/7/2007	<	0.3
49442	12/26/1998	<	0.3
49442	12/26/1998	<	0.3
49442	3/3/2007	<	0.3
49442	4/14/2008	<	0.3
49442	11/24/1998		0.8
49442	10/25/2004		0.7
49442	1/11/2002		0.9
49442	10/24/2006		0.7
49442	2/24/2006		0.7
49442 49442	12/2/2005 2/24/2006		0.6
-			0.8
49442 49442	2/13/2006 3/23/2007		0.8 0.7
49442	11/9/2007		0.7
49442	3/20/2006		0.8
49442 49442	4/21/1994		0.8
49442	1/7/2008		0.9
49442	4/21/2000		0.9
49442	6/22/1996		0.6
49442	11/17/1998		0.5
49442	11/5/2001		0.7
49442	11/30/1998		0.7
49442	11/7/1998		0.5
49442	11/6/1998		0.5
49442	12/22/1995		0.7
49442	11/2/1998		0.8
49442	12/23/1995		0.8
49442	8/1/2009		1.8
49442	6/27/1997		1.7
49442	3/14/2007		1.8
49442	11/17/1998		2.5
49442	1/27/2007		2.4
49442	11/24/2006		2.4
49442	10/17/2007		2.2
49442	11/20/1998		2.2
49442	. 1/20/1000		
.0			

## AREA RADON INFORMATION

	10/19/2009		2.2 2.8		
49442		4/22/2005			
49442	2/23/2007		2.8		
49442	5/13/2006		2.8		
49442	3/6/2009		2.7		
49442	11/12/1998		3.4		
49442	1/18/2008		3.3		
49442	6/15/2009	<	0.3		
49442	6/8/2009	<	0.3		
49442	12/7/2009	<	0.3		
49442	10/19/2009	<	0.3		
49442	10/30/2009	<	0.3		
49442	12/11/1998		3.8		
49442	11/2/2001		2.0		
49442	3/27/2006		2.0		
49442	5/14/2007		2.0		
49442	11/7/1998		1.6		
49442	11/7/2001		1.6		
49442	11/3/2001		1.6		
49442	11/7/1998		1.6		
49442	1/30/1999		1.6		
49442	5/4/2009		1.6		
49442	11/2/1998		1.5		
49442	10/10/2006		1.5		
49442	5/10/2007		1.5		
49442	3/9/2007		1.5		
49442	12/7/2009		1.5		
49442	11/5/2001		1.4		
49442	11/6/1998		1.4		
49442	6/8/2009		1.4		
49442	3/11/2006		1.4		
49442	2/13/2006		1.4		
49442	9/25/2006		1.4		

Federal EPA Radon Zone for MUSKEGON County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 49442

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.000 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.280 pCi/L	100%	0%	0%

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources

Telephone: 517-241-2254

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Water Well Data

Source: Department of Environmental Quality

Telephone: 517-335-9218

#### OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells

Source: Department of Natural Resources and Environment

Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

#### **RADON**

State Database: MI Radon

Source: Department of Environmental Quality

Telephone: 517-335-9551 Radon Test Results

Michigan Radon Test Results

Source: Department of Environmental Quality

Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by

Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

**EPA Radon Zones** 

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

#### PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

#### STREET AND ADDRESS INFORMATION

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#### **APPENDIX D**

#### **AERIAL PHOTOGRAPHS**



# **Industrial Property**

E LAKETON AVE Muskegon, MI 49442

Inquiry Number: 3176068.4

October 04, 2011

# The EDR Aerial Photo Decade Package



# **EDR Aerial Photo Decade Package**

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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## **Date EDR Searched Historical Sources:**

Aerial Photography October 04, 2011

# **Target Property:**

E LAKETON AVE

Muskegon, MI 49442

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	AAA
1950	Aerial Photograph. Scale: 1"=500'	Flight Year: 1950	PMA
1955	Aerial Photograph. Scale: 1"=500'	Flight Year: 1955	CSS
1962	Aerial Photograph. Scale: 1"=500'	Flight Year: 1962	CSS
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	ASCS
1974	Aerial Photograph. Scale: 1"=600'	Flight Year: 1974	ASCS
1981	Aerial Photograph. Scale: 1"=600'	Flight Year: 1981	NHAP
1991	Aerial Photograph. Scale: unknown	Flight Year: 1991	FSA
1997	Aerial Photograph. Scale: 1"=604'	/Composite DOQQ - acquisition dates: 1997	EDR
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=604'	Flight Year: 2006	EDR





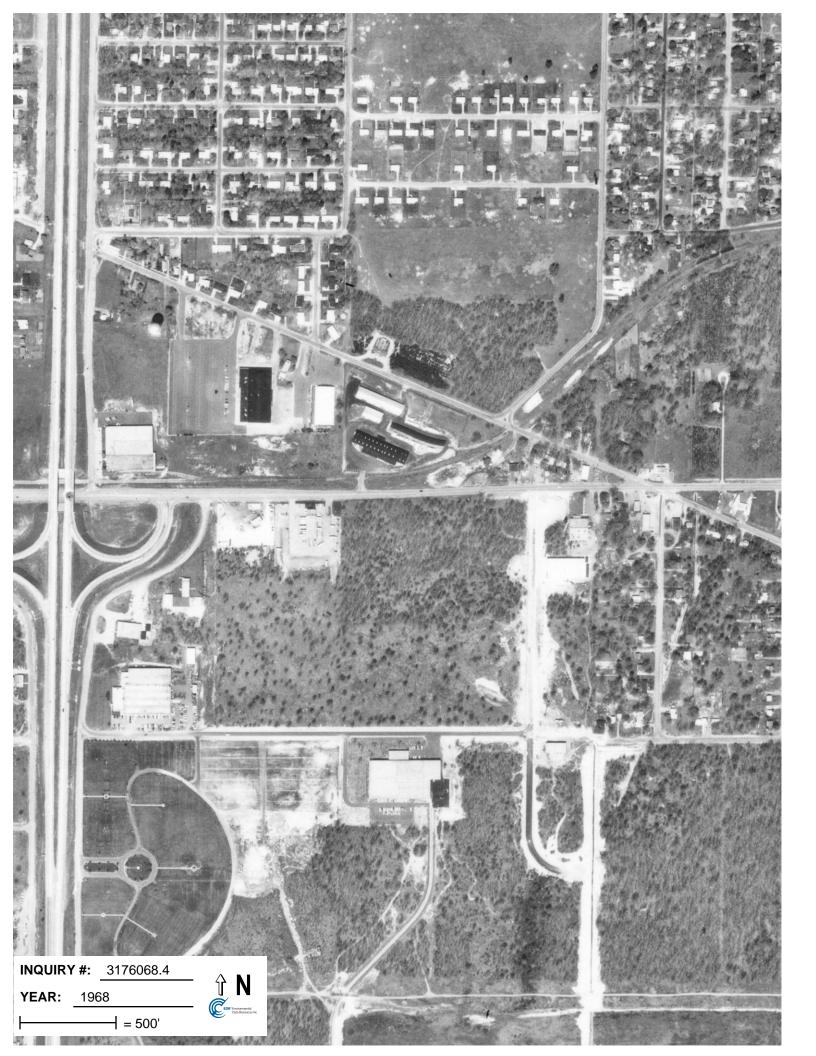
**INQUIRY #:** 3176068.4

**YEAR:** 1950

= 500'



















#### **APPENDIX E**

#### **SANBORN MAPS**



# **Industrial Property**

E LAKETON AVE Muskegon, MI 49442

Inquiry Number: 3176068.3

September 29, 2011

# Certified Sanborn® Map Report



## **Certified Sanborn® Map Report**

9/29/11

Site Name: Client Name:

Industrial Property Envirologic Technologies, Inc. E LAKETON AVE 2960 Interstate Parkway Muskegon, MI 49442 Kalamazoo, MI 49048

EDR Inquiry # 3176068.3 Contact: David Stegink



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Envirologic Technologies, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

#### Certified Sanborn Results:

Site Name: Industrial Property
Address: E LAKETON AVE
City, State, Zip: Muskegon, MI 49442

**Cross Street:** 

**P.O.** # 110366

Project: City of Muskegon - Eklund

**Certification #** 3726-4787-83D2



Sanborn® Library search results Certification # 3726-4787-83D2

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✓ Library of Congress

✓ University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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#### **APPENDIX F**

## FOIAR DOCUMENTATION (REQUESTS AND RESPONSES)

# MATERIAL PROVIDED MAY NOT REPRESENT ALL PUBLICLY AVAILABLE FILE INFORMATION



#### **Detailed Tax Information**

[Back to Non-Printer Friendly Version] [Send To Printer]

**Of:** 7:55 AM 9/26/2011

#### Property Address [collapse]

1815 E LAKETON AVE MUSKEGON, MI 49442

#### Owner Information [collapse]

Unit: 24

#### **Taxpayer Information** [collapse]

SEE OWNER INFORMATION

#### Legal Information for 24-134-100-0003-00 [collapse]

CITY OF MUSKEGON SEC 34 T10N R16W W 290 FT OF S 643 FT OF N 726 FT E 1/2 OF NW 1/4

**Enter Future Interest Date:** 

**School District:** 

**Admin Fees:** 

**Interest Fees:** 

**Total Tax & Fees:** 

**Renaissance Zone:** 

9/26/2011

Re-Calculate

Use the +/- button to expand and collapse the Tax Detail Information.

Year / Season	Total Amt	<b>Total Paid</b>	Last Paid	Total Due
■ 2011, Summer	\$466.02	\$466.02	07/22/2011	\$0.00

PRE/MBT %:

**State Equalized Value:** 

#### **General Information for 2011 Summer**

Taxable Value:\$39,443Property Class:302Tax Bill Number00593Last Payment Date:07/22/2011Base Tax:\$461.41

\$461.41 \$4.61 \$0.00 \$466.02

61190

Assessed Value: \$76,700

Last Receipt Number:
Number Of Payments 1

Base Paid: \$461.41

Admin Fees Paid: \$4.61

Interest Fees Paid \$0.00

0.0000

\$76,700

**Total Paid:** \$466.02

Mortgage Code: N/A

#### Tax Bill Breakdown for 2011 Summer

Taxing Authority	Millage Rate	Amount	Amount Paid
COUNTY OPERATING	5.698400	\$224.76	\$224.76
STATE EDUC TAX	6.000000	\$236.65	\$236.65
Admin Fees:		\$4.61	\$4.61
Interest Fees:		\$0.00	\$0.00
Totals:	11.698400	\$466.02	\$466.02

**□** 2010, Winter \$1,813.91 \$1,813.91 12/09/2010 \$0.00

1

#### **General Information for 2010 Winter**

 School District:
 61190
 PRE/MBT %:
 0.0000

 Taxable Value:
 \$38,784
 Assessed Value:
 \$76,700

**Property Class:** 302

Tax Bill Number00617Last Receipt Number:Last Payment Date:12/09/2010Number Of Payments

**Base Tax:** \$1,800.59 Base Paid: \$1,800.59 **Admin Fees:** Admin Fees Paid: \$13.32 \$13.32 **Interest Fees: Interest Fees Paid** \$0.00 \$0.00 **Total Tax & Fees:** \$1,813.91 **Total Paid:** \$1,813.91

#### **Tax Bill Breakdown for 2010 Winter**

Taxing Authority	Millage Rate	Amount	Amount Paid
COUNTY VOTED	0.997300	\$38.67	\$38.67
COMM COLLEGE	2.203700	\$85.46	\$85.46
M.A.I.S.D.	3.758000	\$145.75	\$145.75
CITY	12.068000	\$468.04	\$468.04
HACKLEY LIBRARY	2.400000	\$93.08	\$93.08
OVS OPERATIONS	18.000000	\$698.11	\$698.11
OVS DEBT	7.000000	\$271.48	\$271.48
Admin Fees:		\$13.32	\$13.32
Interest Fees:		\$0.00	\$0.00
Totals:	46.427000	\$1,813.91	\$1,813.91

Print Tax Bill/Receipt

□ 2010, Summer \$458.23 \$458.23 08/06/2010 \$0.00

#### **General Information for 2010 Summer**

 School District:
 61190
 PRE/MBT %:
 0.0000

 Taxable Value:
 \$38,784
 Assessed Value:
 \$76,700

Property Class: 302

Tax Bill Number00595Last Receipt Number:Last Payment Date:08/06/2010Number Of Payments1

**Base Tax:** \$453.70 **Base Paid:** \$453.70 **Admin Fees:** \$4.53 **Admin Fees Paid:** \$4.53 **Interest Fees: Interest Fees Paid** \$0.00 \$0.00 **Total Paid: Total Tax & Fees:** \$458.23 \$458.23

#### Tax Bill Breakdown for 2010 Summer

Taxing Authority	Millage Rate	Amount	Amount Paid
COUNTY OPERATING	5.698400	\$221.00	\$221.00
STATE EDUC TAX	6.000000	\$232.70	\$232.70
Admin Fees:		\$4.53	\$4.53
Interest Fees:		\$0.00	\$0.00
Totals:	11.698400	\$458.23	\$458.23

<u>+</u> 2	2009, Winter	\$1,780.47	\$1,780.47	12/31/2009	\$0.00
<u>+</u> 2	2009, Summer	\$459.62	\$459.62	07/16/2009	\$0.00
<u>+</u> 2	2008, Winter	\$1,705.48	\$1,705.48	12/18/2008	\$0.00
+ 2	2008, Summer	\$440.25	\$440.25	08/12/2008	\$0.00
+ 2	2007, Winter	\$1,668.65	\$1,668.65	12/13/2007	\$0.00
<u>+</u> 2	2006, Winter	\$1,677.39	\$1,677.39	12/18/2006	\$0.00
+ 2	2005, Winter	\$1,681.95	\$1,681.95	12/09/2005	\$0.00
+ 2	2004, Winter	\$1,708.67	\$1,708.67	12/31/2004	\$0.00
+ 2	2003, Winter	\$1,637.79	\$1,637.79	12/29/2003	\$0.00
<u>+</u> 2	2002, Winter	\$1,578.12	\$1,578.12	12/05/2002	\$0.00
+ 2	2001, Winter	\$1,502.81	\$1,502.81	12/10/2001	\$0.00
+ 2	2000, Winter	\$1,386.20	\$1,386.20	12/26/2000	\$0.00
+ 1	999, Winter	\$1,362.03	\$1,362.03	01/04/2000	\$0.00
+ 1	.998, Winter	\$1,364.52	\$1,364.52	01/07/1999	\$0.00
+ 1	997, Winter	\$1,364.50	\$1,364.50	12/30/1997	\$0.00
	-				

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#### **Detailed Tax Information**

[Back to Non-Printer Friendly Version] [Send To Printer]

24

0.0000

N/A

**Of:** 7:55 AM 9/26/2011

#### Property Address [collapse]

1883 E LAKETON AVE MUSKEGON, MI 49442

#### Owner Information [collapse]

1883 LAKETON LLC 5187 LAKE HARBOR RD MUSKEGON, MI 49441 Unit:

#### **Taxpayer Information** [collapse]

SEE OWNER INFORMATION

#### Legal Information for 24-134-100-0004-10 [collapse]

CITY OF MUSKEGON SEC 34 T10N R16W W 167 FT OF E 370 FT OF S 660 FT OF N 726 FT OF W 660 FT OF E 1/2 OF NW 1/4

**Enter Future Interest Date:** 

**School District:** 

**Renaissance Zone:** 

.

Re-Calculate

Use the +/- button to expand and collapse the Tax Detail Information.

61190

N/A

9/26/2011

Year / Season	Total Amt	<b>Total Paid</b>	<b>Last Paid</b>	Total Due
■ 2011, Summer	\$5,655.25	\$5,655.25	07/22/2011	\$0.00

PRE/MBT %:

**Mortgage Code:** 

#### **General Information for 2011 Summer**

**Taxable Value:** \$478,636 **State Equalized Value:** \$495,500 **Property Class:** 301 **Assessed Value:** \$495,500 **Tax Bill Number** 00595 **Last Receipt Number: Last Payment Date: Number Of Payments** 07/22/2011 1 \$5,599.26 **Base Paid:** \$5,599.26 **Base Tax: Admin Fees Paid: Admin Fees:** \$55.99 \$55.99 **Interest Fees:** \$0.00 **Interest Fees Paid** \$0.00 **Total Tax & Fees:** \$5,655.25 **Total Paid:** \$5,655.25

#### Tax Bill Breakdown for 2011 Summer

Tax biii bi caltaottii Tot Lot.	- Juliunoi		
Taxing Authority	Millage Rate	Amount	Amount Paid
COUNTY OPERATING	5.698400	\$2,727.45	\$2,727.45
STATE EDUC TAX	6.000000	\$2,871.81	\$2,871.81
Admin Fees:		\$55.99	\$55.99
Interest Fees:		\$0.00	\$0.00
Totals:	11.698400	\$5,655.25	\$5,655.25

**□** 2010, Winter \$22,011.89 \$22,011.89 12/09/2010 \$0.00

1

#### **General Information for 2010 Winter**

 School District:
 61190
 PRE/MBT %:
 0.0000

 Taxable Value:
 \$470,636
 Assessed Value:
 \$515,700

**Property Class:** 301

Tax Bill Number00619Last Receipt Number:Last Payment Date:12/09/2010Number Of Payments

**Base Tax:** \$21,850.19 Base Paid: \$21,850.19 **Admin Fees: Admin Fees Paid:** \$161.70 \$161.70 **Interest Fees:** \$0.00 **Interest Fees Paid** \$0.00 **Total Tax & Fees:** \$22,011.89 **Total Paid:** \$22,011.89

#### **Tax Bill Breakdown for 2010 Winter**

Taxing Authority	Millage Rate	Amount	Amount Paid
COUNTY VOTED	0.997300	\$469.36	\$469.36
COMM COLLEGE	2.203700	\$1,037.14	\$1,037.14
M.A.I.S.D.	3.758000	\$1,768.65	\$1,768.65
CITY	12.068000	\$5,679.63	\$5,679.63
HACKLEY LIBRARY	2.400000	\$1,129.52	\$1,129.52
OVS OPERATIONS	18.000000	\$8,471.44	\$8,471.44
OVS DEBT	7.000000	\$3,294.45	\$3,294.45
Admin Fees:		\$161.70	\$161.70
Interest Fees:		\$0.00	\$0.00
Totals:	46.427000	\$22,011.89	\$22,011.89

Print Tax Bill/Receipt

■ 2010, Summer \$5,560.73 \$5,560.73 08/06/2010 \$0.00

#### **General Information for 2010 Summer**

 School District:
 61190
 PRE/MBT %:
 0.0000

 Taxable Value:
 \$470,636
 Assessed Value:
 \$515,700

**Property Class:** 301

Tax Bill Number00597Last Receipt Number:Last Payment Date:08/06/2010Number Of Payments1

**Base Tax:** \$5,505.68 **Base Paid:** \$5,505.68 **Admin Fees:** \$55.05 **Admin Fees Paid:** \$55.05 **Interest Fees: Interest Fees Paid** \$0.00 \$0.00 **Total Tax & Fees:** \$5,560.73 **Total Paid:** \$5,560.73

#### Tax Bill Breakdown for 2010 Summer

Taxing Authority	Millage Rate	Amount	Amount Paid
COUNTY OPERATING	5.698400	\$2,681.87	\$2,681.87
STATE EDUC TAX	6.000000	\$2,823.81	\$2,823.81
Admin Fees:		\$55.05	\$55.05
Interest Fees:		\$0.00	\$0.00
Totals:	11.698400	\$5,560.73	\$5,560.73

± 2009, Winter	\$21,606.11	\$21,606.11	01/05/2010	\$0.00
± 2009, Summer	\$5,577.47	\$5,577.47	07/27/2009	\$0.00
± 2008, Winter	\$20,695.64	\$20,695.64	12/18/2008	\$0.00
± 2008, Summer	\$5,342.42	\$5,342.42	08/08/2008	\$0.00
± 2007, Winter	\$20,477.45	\$20,477.45	12/27/2007	\$0.00
± 2006, Winter	\$0.00	\$0.00		\$0.00

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From:

Brubaker-Clarke, Cathy < Cathy.Brubaker-Clarke@postman.org>

Sent:

Wednesday, October 05, 2011 3:48 PM

To:

'David Stegink'

Subject:

FW: 1815 and 1883 E Laketon

This is all we have.

----Original Message----

From: LaBrenz, Don

Sent: Wednesday, October 05, 2011 3:45 PM

To: Brubaker-Clarke, Cathy

Subject: RE: 1815 and 1883 E Laketon

Cathy,

All I could find on eather address was a couple of permits for mechanical work in the one building.

Don

From:

Brubaker-Clarke, Cathy < Cathy. Brubaker-Clarke@postman.org >

Sent:

Wednesday, October 05, 2011 11:05 AM

To:

'David Stegink'

Subject:

FW: 1815 and 1883 E Laketon

Hello, David. This is what I have thus far for Fleet. I will forward anything else I get later. Cathy

From: DeFrench, Kelly

Sent: Wednesday, October 05, 2011 9:14 AM

To: Brubaker-Clarke, Cathy; Franzak, Mike; LaBrenz, Don

Cc: Al-Shatel, Mohammed

Subject: RE: 1815 and 1883 E Laketon

Cathy,

WATER - Muskegon Twp owns the water distribution system and water is supplied by the City of Muskegon. The Water System was constructed by Muskegon Twp in the Mid- 1950's.

SANITARY SEWER. The Sanitary sewer system is owned by the City of Muskegon and serves both properties. I don't have an exact date of construction but I believe the sewer was built at the same time the Port City Industrial Park was developed... mid to late 1970's?

STORM SEWER- This section of Laketon Ave is not owned or maintained by the City of Muskegon. I do not believe there is a Storm Sewer Utility along Laketon Ave in this area.

Kelly

----Original Message----

From: Brubaker-Clarke, Cathy

Sent: Wednesday, October 05, 2011 9:01 AM To: Franzak, Mike; DeFrench, Kelly; LaBrenz, Don

Cc: Al-Shatel, Mohammed

Subject: RE: 1815 and 1883 E Laketon

Any further information anyone has on this? I would like to pass it on to the consultant today, if possible. It is for Fleet, and we want to make sure to move it along quickly, so he can close on the property.

----Original Message----

From: Franzak, Mike

Sent: Monday, October 03, 2011 10:44 AM To: DeFrench, Kelly; Brubaker-Clarke, Cathy

Subject: RE: 1815 and 1883 E Laketon

Attached is a map of 1883 E Laketon. 1815 is the adjacent vacant lot to the west.

1883 E Laketon property #: 24-134-100-0004-10 1815 E Laketon property #: 24-134-100-0003-00

----Original Message----

From: Al-Shatel, Mohammed

Sent: Friday, September 30, 2011 4:09 PM

To: DeFrench, Kelly

Subject: FW: 1815 and 1883 E Laketon

Can you help with this request? I looked on the WM and it does not appear that the city has any within Laketon between Industrial & Port City but we have a small sewer line.

---- Original Message -----

From: David Stegink [mailto:stegink@envirologic.com]

Sent: Friday, September 30, 2011 01:30 PM

To: Brubaker-Clarke, Cathy

Subject: 1815 and 1883 E Laketon

Cathy:

I was hoping you could assist is in coordinating our request for information from the City for the assessment we are completing. Can I please request file information the City may have pertaining to the two parcels of interest by Eklund? For our assessment we would like to request copies of:

**Building Permits and Inspections** 

**Historic Assessment Cards** 

Dates Water, Sanitary Sewer and Storm Sewer were installed in the area

If you have other information that would be useful to understanding the history of the site, please let me know.

You can copy and email information to us or have it available for us to pick up at your office. We tentatively plan to inspect the property late next week.

Please let me know if you have any questions and thank you for your help.

David A. Stegink, Associate Vice President - Senior Environmental Scientist

Envirologic Technologies Inc. 2960 Interstate Parkway Kalamazoo, MI 49048

P 269.342.1100 | C 269.615.1009 | F 269.342.4945 www.envirologic.com

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## **APPENDIX G**

# USER'S RESPONSIBILITIES DOCUMENTATION USER QUESTIONNAIRE SELLER QUESTIONNAIRE





### USER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

User's Name: FLEET ENGINEERS INC.
User's Telephone No.: 231-767-300/
User's Fax No.: 231-773-8399
Subject Property: Building & Vacant Land  Property Address: 1883 E. Laketon Ave. & 1815 E. Laketon Ave.
Property Address: 1883 E. Laketon Ave. & 1815 E. Laketon Ave.
City: Muskegon MI
1.0 Environmental Cleanup Liens: Are you aware of any environmental cleanup liens against the property that are filed, recorded or unrecorded under federal, tribal, state or local law?
Yes (If "Yes," please describe) X No
2.0 Activity and Land Use Limitations: Are you aware of any activity and land use limitations, such as engineering Controls, land use restrictions or institutional controls that are in place at the site and/or have been filed, recorded or unrecorded in a registry under federal, tribal, state or local law?
Yes (If "Yes," please describe) No
3.0 Specialized Knowledge or Experience of the User: <ul> <li>(a) As the user of this ESA, do you have any knowledge or experience related to the property or nearby properties that could be material to any environmental conditions of this property?</li> </ul>
Yes (If "Yes," please describe) No

(b) Are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
Yes (If "Yes," please describe) No
4.0 Relationship of Purchase Price to Fair Market Value: <ul> <li>(a) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?</li> </ul>
Yes (If "Yes," please describe) \( \subseteq No\)  Purchase price approximates Current market value.
(b) If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the property?
Yes (If "Yes," please describe) No
5.0 Commonly Known or Reasonably Ascertainable Information:  Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,  (a) Do you know the past uses of the property? Please list: "[Click here and type]"  Warehouse & Assembly  (b) Do you know the specific chemicals that are present or once were present on the property?  Yes (If "Yes," please describe) \( \bigcirc \) No
(c) Do you know of spills or other chemical releases that have taken place on the property?
Yes (If "Yes," please describe) No

(d) Do you know of any environmental cleanups that have taken place at the property?
Yes (If "Yes," please describe) No
6.0 Presence or Likely Presence of Contamination: As the user of this ESA, and based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?
Yes (If "Yes," please describe) No
The preparer presents that to the best of his/her knowledge, the above statements and facts are true and correct and that to the best of the preparer's knowledge, no material facts have been omitted or misstated.
User's Signature: Fleet Engineers Mc.
Owner's Printed Name:
Date: 10-63-2011

# 2960 Interstate Parkway | Kalamazoo, MI 49048 | **P** 269.342.1100 | **F** 269.342.4945 | **W** envirologic.com

# SELLER'S ENVIRONMENTAL QUESTIONNAIRE AND DISCLOSURE STATEMENT

Purchaser: FLEET ENGINEERS
Purchaser's Telephone No.: 800-333-7890
Owner's Name: 1883 LAKETON LLC.
Owner's Telephone No.:
Subject Property: 1883 E. LAKETON AUE MUSKEGON 49447
1. Land Use: Is the property or adjoining property currently used for manufacturing or industrial use? Adjoining properties include those that border the immediate site and include properties across the street from the property.
X Yes (If "Yes," please describe)  No
Subject Property: NO, USED FOR WAREHOUSE
Adjoining Property North: No, School Rus GARAGE
Adjoining Property South: YES, FLEET ENGINFERS
Adjoining Property East: YES, FORMING TECHNOLOGIES
Adjoining Property West: No , VALANT
2. Has the property or adjoining property been used for manufacturing or industrial purposes in the past?
Yes (If "Yes," please describe) 🗌 No
Owner/Use/Date(s) Subject Property Previous Use: PRODUCT DISTRIBUTION
Previous Use (North): LUMBER YARD
Previous Use (South): FLEET ENGINEERS
Previous Use (East): WARE HOUSE



Previous Use (West): VALANT



3. Are there any pesticides, automotive or industrial batteries, paints or other chemicals stored on the property or at the facility other than undamaged containers of consumer products under five gallons in total volume?
Yes (If "Yes," please describe) No
4. Are there any plastic or metal industrial drums (typically 55-gallon) located on the property or at the facility?
Yes (If "Yes," please describe) X No
5. Has fill dirt been brought on to the site that could be contaminated?
Yes (If "Yes," please describe) No
6. Have any construction debris, substances identified as hazardous, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the site?
Yes (If "Yes," please describe) No
7. Are there any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?
Yes (If "Yes," please describe) No
8. Is there any soil on the property that has been obviously stained?
Yes (If "Yes," please describe) No

9. Are storage tanks above or underground located on the property?
Yes (If "Yes," please describe) No
10. Are vent pipes protruding from the ground at the property or adjacent to any structure located on the property?
Yes (If "Yes," please describe) No
11. Does the property discharge waste water, other than storm water, directly to a ditch or stream on or adjacent to the property?
☐ Yes (If "Yes," please describe) ☐ No
,
12. If the property is served by a private well or non-public water system, has the well or water system been designated as contaminated by a governmental environmental or health agency?
Yes (If "Yes," please describe) No
(
13. <u>Asbestos:</u> Does the property or any buildings located on the property contain any asbestos?
☐ Yes (If "Yes," please describe) ☑ No
<b>,</b>
14. <u>Polychlorinated biphenyls (PCBs):</u> Have polychlorinated biphenyls been used in electrical transformers, capacitors or other equipment at the property?
Yes (If "Yes," please describe) No
and the state of t
15. Is there a transformer that is not owned by a public or private utility or group and for which there are no records indicated the absence of PCBs?

Yes (If "Yes," please describe) No
16. <b><u>Radon:</u></b> Has the property or any buildings located on the property been tested for radon?
Yes (If "Yes," please describe) No
17. <u>Urea-Formaldehyde:</u> Does the property or any buildings located on the property contain urea-formaldehyde materials?
Yes (If "Yes," please describe) No
18. <u>Lead:</u> Does the property or any buildings located on the property contain any lead-based paint or lead plumbing?
Yes (If "Yes," please describe) No
19. <u>Miscellaneous:</u> Does the owner of the property or operator of the facility have any knowledge of environmental liens or governmental notification relating to violations of environmental laws in regards to the property or any facility located on the property?
Yes (If "Yes," please describe) No
20. Has the owner of the property or operator of the facility been informed
of the presence of hazardous substances or environmental violations in regards to the property or the facility located on the property?
Yes (If "Yes," please describe) No
21. Are you aware of any environmental assessment of the property that indicated the presence of hazardous substances on the site or recommend further assessment of the property?

Yes (If "Yes," please describe) No
22. Are there past, current or pending lawsuits or administrative proceedings for alleged environmental damages involving the property or any owner or tenant of the property?
Yes (If "Yes," please describe) No
23. Does the purchase and/or sales price of this property reflect the presence of hazardous substances on the property?
Yes (If "Yes," please describe) No
24. <b>Agricultural Land:</b> Have pesticides, herbicides or other agricultural chemicals been stored, mixed on or applied to the property?
Yes (If "Yes," please describe) No
25. This questionnaire was completed by the property owner (required):
The preparer presents that to the best of his/her knowledge, the above statements and facts are true and correct and that to the best of the preparer's knowledge, no material facts have been emitted or misstated.
Owner's (representative) Signature:
Owner's Printed Name: 1883 LAKPTOD L.L.C.
Address:
Cite, State, Zip Code:
Telephone Number:
Relationship to Site: